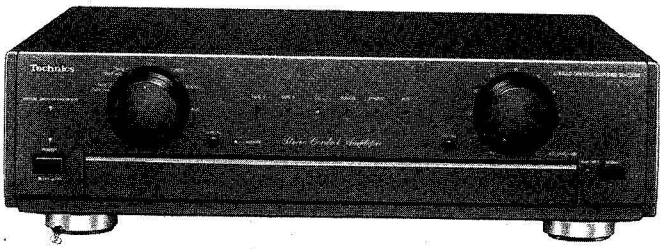
ORDER NO. AD9307204C8

Service Manual

Stereo Control Amplifier

Amplifier

SU-C2000



Colour

(K) ... Black Type

Area

Suffix for Model No.	Area	Colour
(EG)	Europe.	(K)
(EB)	Great Britain.	
(G)	Asia, Latin America, Middle Near East and Africa.	

SPECIFICATIONS (DIN 45 500)

Total harmonic distortion (VOL. Max. 20 Hz–20 kHz)
- **PHONO MM** 0.002%
- **MC** 0.003%
- **TUNER, CD, AUX, TAPE 1, TAPE 2**
  - **(DIRECT ON)** 0.001%
  - **(DIRECT OFF)** 0.003%

Input sensitibity/impedance
- **PHONO MM** 2.5 mV/47 kΩ
- **MC** 0.15 mV/220 Ω
- **TUNER, CD, AUX, TAPE 1, TAPE 2** 200 mV/27 kΩ

Phono maximum input voltage (IHF '66, 1 kHz, RMS)
- **MM** 100 mV
- **MC** 6.5 mV

S/N
- **PHONO MM** 79 dB (88 dB, IHF '66)
- **MC** 71 dB (68 dB, IHF '66)
- **TUNER, CD, AUX, TAPE 1, TAPE 2**
  - **(DIRECT ON)** 97 dB (107 dB, IHF '66)
  - **(DIRECT OFF)** 96 dB (104 dB, IHF '66)

Frequency response
- **PHONO MM** RIAA standard curve ±0.2 dB (20 Hz–20 kHz)
- **TUNER, CD, AUX, TAPE 1, TAPE 2**
  - **(DIRECT ON)** 1 Hz–150 kHz (–3 dB) +0 dB, –0.2 dB (20 Hz–20 kHz)
  - **(DIRECT OFF)** 1 Hz–120 kHz (–3 dB) ±0.5 dB (20 Hz–20 kHz)

Tone controls
- **BASS** 50 Hz, +10 dB, –10 dB
- **TREBLE** 20 kHz, +10 dB, –10 dB

Muting –∞ dB

Output voltage
- **TAPE 1, TAPE 2** 200 mV
- **PRE OUT** rated 1 V, maximum 7 V

Channel balance (AUX, 250 Hz–6.3 kHz) ±1 dB

Channel separation (AUX, 1 kHz) 55 dB

■ GENERAL

Power consumption 10 W

Power supply
- **For (EG) area.** AC 50 Hz/60 Hz, 230 V
- **For (EB) area.** AC 50 Hz/60 Hz, 230–240 V
- **For (G) area.** AC 50 Hz/60 Hz, 110–127/220–240 V

Dimensions (W × H × D) 448 × 129 × 344 mm

Weight 8 kg

Notes:
1. Design and specifications are subject to change without notice.
   Weight and dimensions are approximate.
2. Total harmonic distortion is measured by the digital spectrum analyzer.

Technics

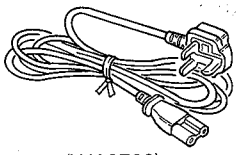
■ CONTENTS

	Page
ACCESSORIES	2
BEFORE REPAIR AND ADJUSTMENT	2
CAUTION FOR AC MAINS LEAD	3
FRONT PANEL CONTROLS AND FUNCTIONS	4
CONNECTIONS	5, 6
REMOTE CONTROL OPERATION	7, 8
DESCRIPTION OF TECHNICAL FEATURES	9
DISASSEMBLY INSTRUCTIONS	10~15
BLOCK DIAGRAM	16
SCHEMATIC DIAGRAM	17~24
PRINTED CIRCUIT BOARDS DIAGRAM	25~30
WIRING CONNECTION DIAGRAM	31
CABINET PARTS LOCATION	32, 33
REPLACEMENT PARTS LIST	34~36
RESISTORS AND CAPACITORS	36, 37
PACKAGING	37

■ ACCESSORIES

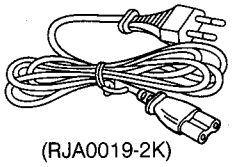
• AC power supply cord ..... 1 pc.

FOR (EB) area.



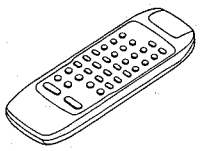
(VJA0733)

FOR (EG, G) areas.



(RJA0019-2K)

• Remote control transmitter (EUR642210) ..... 1 pc.

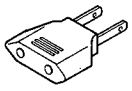


• Batteries "AAA" (R03/UM-4) for remote control transmitter ..... 2 pcs.

Note: These are available on sale route.

• Power plug adaptor ..... 1 pc.

FOR (G) area.



(SJP5213-2)

■ BEFORE REPAIR AND ADJUSTMENT

Disconnect AC power, Discharge both Power Supply Capacitors C701~C704 through a 10Ω, 5W resistor to ground. DO NOT SHORT-CIRCUIT DIRECTLY (with a screwdrive blade, for instance), as this may distroy solid state devices. After repairs are completed, restore power gradually using a variac, to avoid overcurrent.
Current consumption at 50Hz/60Hz in NO SIGNAL mode should be shown below with respect to supply voltage 230V/240V/110−127V/220−240V.

Power supply voltage	AC 230V		AC 240V		AC 120V (AC 110−127V)		AC 240V (AC 220−240V)	
Consumed current 50/60Hz	50Hz	12~60mA	50Hz	12~60mA	50Hz	20~100mA	50Hz	12~60mA
	60Hz	9.6~48mA	60Hz	9.6~48mA	60Hz	16~80mA	60Hz	9.6~48mA

■ CAUTION FOR AC MAINS LEAD

(For (EB) area.)

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.
A 5-ampere fuse is fitted in this plug.
Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.
Check for the ASTA mark ◈ or the BSI mark ♆ on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.
If you lose the fuse cover the plug must not be used until a replacement cover is obtained.
A replacement fuse cover can be purchased from your local dealer.

CAUTION!
IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY.
THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted please observe the wiring code as shown below.
If in any doubt please consult a qualified electrician.

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral
Brown: Live

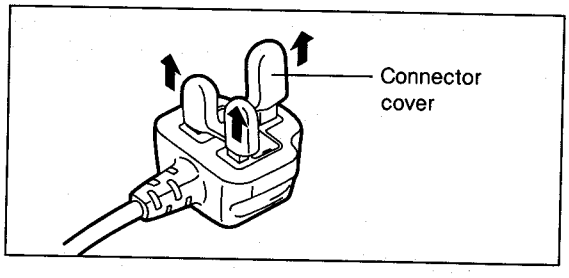
As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

Under no circumstances should either of these wires be connected to the earth terminal of the three pin plug, marked with the letter E or the Earth Symbol ⏚ .

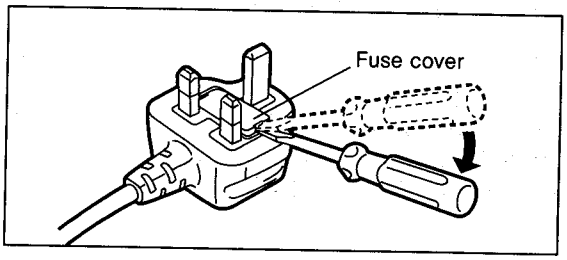
Before use

Remove the connector cover as follows.

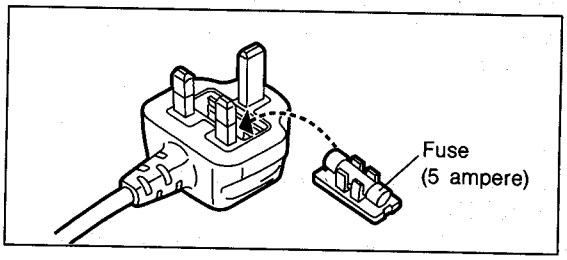


How to replace the fuse

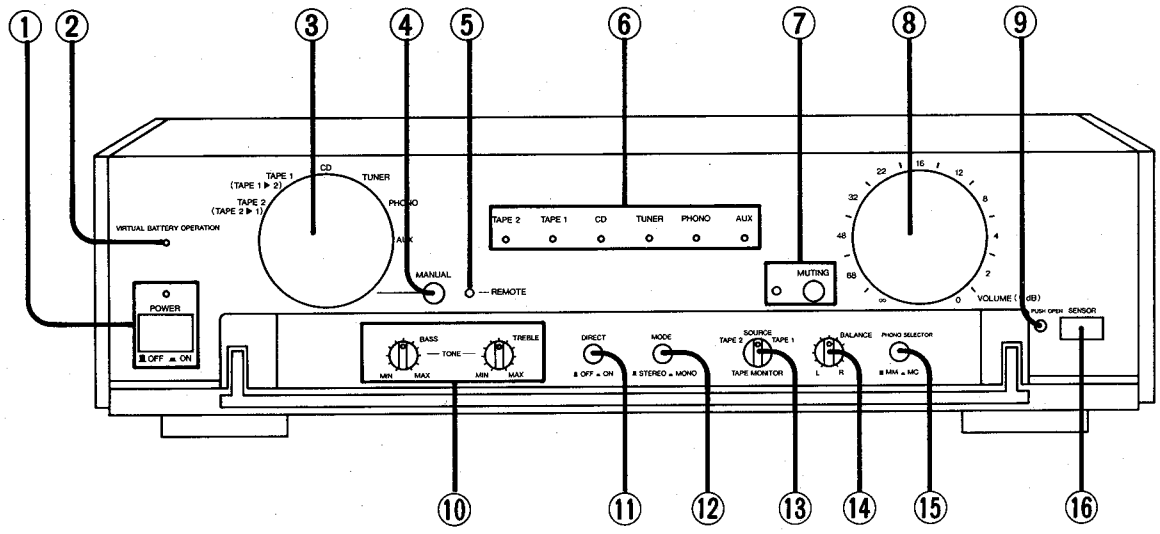
1. Remove the fuse cover with a screwdriver.



2. Replace the fuse and attach the fuse cover.



■ FRONT PANEL CONTROLS AND FUNCTIONS



① Power switch/indicator (POWER)

② Virtual battery operation indicator (VIRTUAL BATTERY OPERATION)

③ Input selector

This selector is used to select the sound source to be heard, such as a disc, radio broadcast, etc.

④ Manual mode select button (MANUAL)

This button is used to select the manual operation mode for the input selector.

⑤ Remote control operation indicator (REMOTE)

This indicator illuminates when the input selector on this unit is set to the remote control operation mode.

⑥ Input indicators

These will illuminate, indicating the selected input source.

⑦ Muting button/indicator (MUTING)

This button is used to switch off the sound output temporarily.

⑧ Volume control (VOLUME)

⑨ Panel cover open button (PUSH OPEN)

Press this button to open the panel cover on the front of this unit.
Push up the panel by hand to close it.

⑩ Tone controls (BASS/TREBLE)

The bass control is used to adjust the low-frequency sound range, and the treble control is used to adjust the highfrequency sound range.

⑪ Source direct button (DIRECT)

This button is used to enjoy high quality sound playback such as that from a CD.

⑫ Mode selector (MODE)

This selector is used to select stereo or mono operation.

⑬ Tape-monitor selector (TAPE MONITOR)

This selector is used to select the tape monitor function during recording.

⑭ Balance control (BALANCE)

This control is used to adjust the left/right volume balance.

⑮ Phono cartridge selector (PHONO SELECTOR)

This selector should be set to the position which corresponds to the type of cartridge used on the turntable.

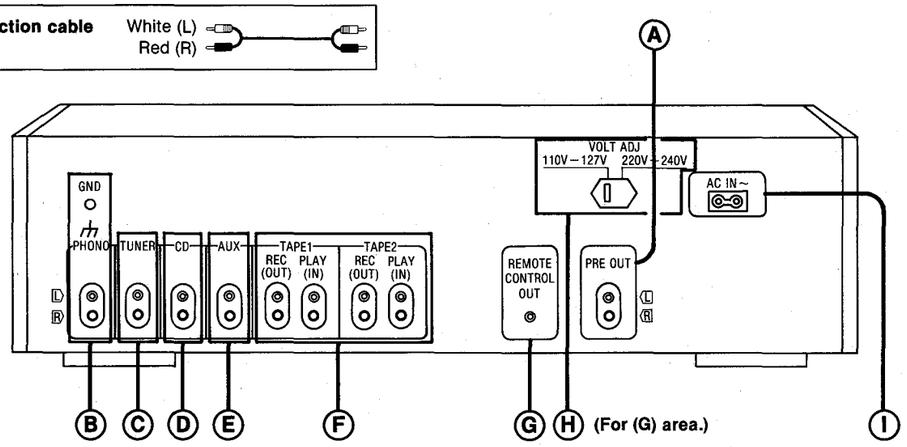
⑯ Remote control signal receptor (SENSOR)

Receives the signals from the remote control.

■ CONNECTIONS

Before making connections, be sure that the power to this unit and all other equipment is first turned off.

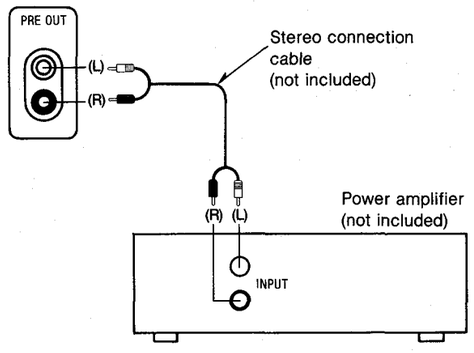
Stereo connection cable White (L) / Red (R)



To connect to the power amplifier

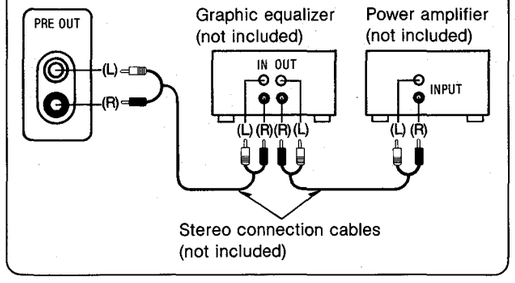
Ⓐ "PRE OUT" terminals

Use a stereo connection cable (not included) to connect to the input terminals of the power amplifier.



If a graphic equalizer is connected

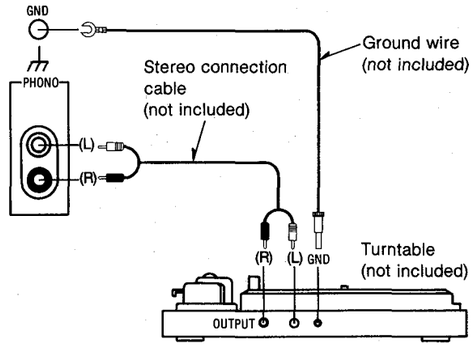
Connect the graphic equalizer between the "PRE OUT" terminals of this unit and the power amplifier.



To connect to other equipment

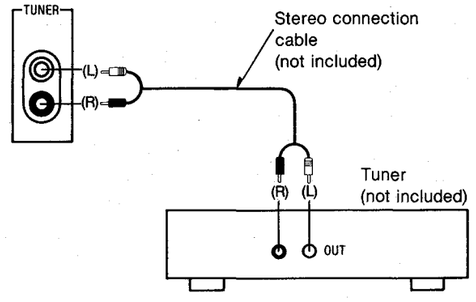
Ⓑ "PHONO" terminals

Connect to a turntable only. Do not connect any other sound source to these terminals.



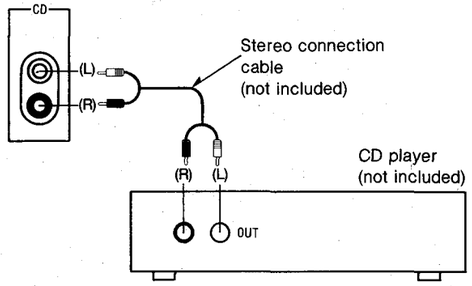
Ⓒ "TUNER" terminals

Connect to a tuner.



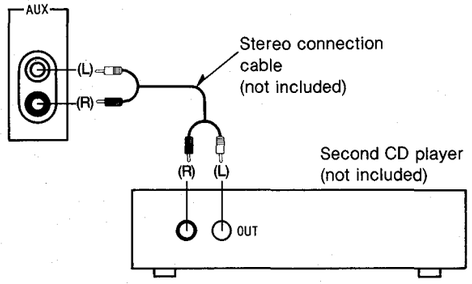
Ⓓ "CD" terminals

Connect to a CD player (or CD changer).



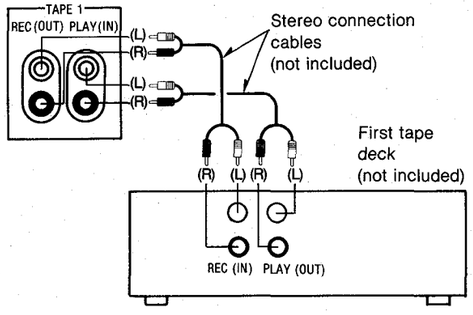
Ⓔ "AUX" terminals

Connect to a further component such as a second CD player, etc.



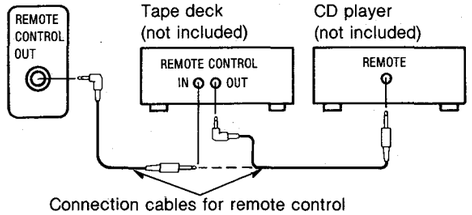
Ⓕ "TAPE 1" and "TAPE 2" terminals

Connect to a first tape deck and/or second tape deck.



Ⓖ "REMOTE CONTROL OUT" terminal

Connect the connection cable for the remote control to a Technics tape deck and/or CD player which has the appropriate remote control terminal as shown below.
If a tape deck is not being used, the CD player can be connected directly (dotted line).



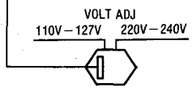
For a compact disc player with a remote control sensor, the above connection is not necessary.

To set the power voltage

(For (G) area.)

Ⓗ Voltage selector (VOLT ADJ)

Set the voltage selector to "110 V – 127 V" or "220 V – 240 V" according to the area in which the unit will be used.
[Use a minus (–) screwdriver]



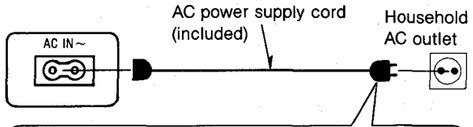
Note:
Note that this unit will be seriously damaged if this setting is not made correctly.

To connect the AC power supply cord

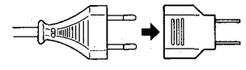
For (EB) area.
BE SURE TO READ THE CAUTION FOR THE AC MAINS LEAD ON PAGE 3 BEFORE MAKING THE FOLLOWING CONNECTION.

Ⓘ AC IN socket (AC IN)

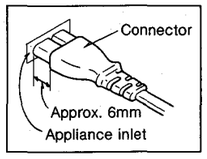
Connect the AC power supply cord (included) after all other cables and cords are connected.
Note: The configuration of the AC power supply cord differs according to area.



(For (G) area.)
If the power plug will not fit your socket, use the power plug adaptor (included).



Insertion of Connector
Even when the connector is perfectly inserted, depending on the type of inlet used, the front part of the connector may jut out as shown in the drawing.
However there is no problem using the unit.

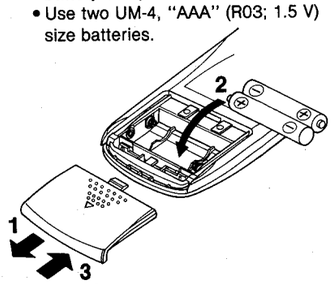


■ REMOTE CONTROL OPERATION

Before operating the remote control

■ Battery installation

1. **Open the cover.**
2. **Insert the batteries.**
   - Be sure to insert according to the (+) and (−) indications in the battery compartment.
   - Use two UM-4, "AAA" (R03; 1.5 V) size batteries.



3. **Close the cover.**

Battery life

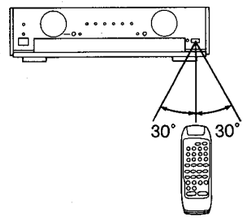
Battery life is about one year. (Battery life may vary depending upon the frequency of use and other conditions of use.)
The batteries should be replaced if the unit cannot be operated even when the remote control transmitter is brought close to the unit.

Battery notes

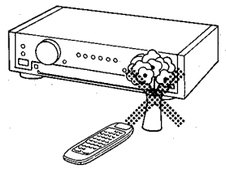
- Be sure that batteries are inserted so that they are placed correctly with respect to the (+) and (−) indications in the battery compartment. If the batteries are not inserted correctly, they may leak and damage the remote control transmitter.
- Do not use rechargeable (nickel-cadmium) type batteries.
- Do not mix old and new batteries, or batteries of different types (carbon and alkaline, etc.)
- If the remote control transmitter is not to be used for a long period of time, take out the batteries and store them in a cool, dark place.
- Remove and dispose of worn-out batteries.
- Never attempt to recharge or short-circuit the batteries, and do not disassemble them or expose them to excessive heat or throw them into a fire.
- If a battery leaks, remove both batteries and dispose of them, and then thoroughly clean the battery compartment before inserting new batteries.

■ Operation notes

Face about 7 meters in front of the sensor
(This actual range will depend on the angle at which the remote control is used.)

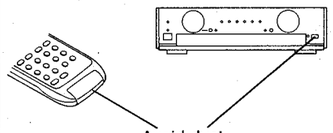


Face it toward the remote control signal receptor of this unit.



(Obstacles should be avoided.)

Be sure the transmitter part of the remote control transmitter and the receptor part of this unit are free from dust.
Excessive dust might prevent reception.

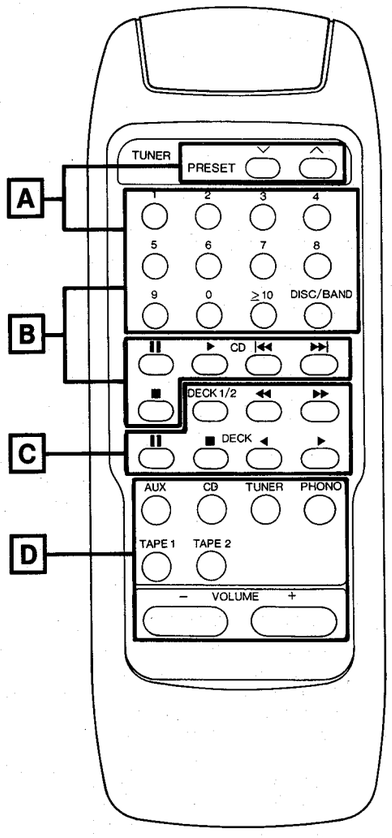


Other notes

1. Do not expose the receptor (on this unit) to direct sunlight or other strong light, because to do so might result in incorrect operation.
2. Do not use a remote control transmitter for a TV set, a VCR or other video component at the same time as this remote control transmitter is being used, because to do so might result in incorrect operation.
3. If this unit is installed in a rack with glass doors, the glass door's thickness or color might make it necessary to use the remote control transmitter a shorter distance from the unit.

Operation

- This remote control transmitter can be used to operate Technics CD players and tape decks which are equipped with remote control terminals or remote control sensors, or to operate Technics tuners which are equipped with remote control sensors.
  Consult your dealer for details.
- For detailed information concerning operation steps, etc., please refer to the appropriate page for each unit and the respective operating instructions.
- Make sure that the power of each unit is set to the "ON" position, before beginning the operations.



NOTE
To operate the main unit, or any other unit attached to it, by means of a remote control cable (see page 5), face this remote control transmitter towards the main unit.
To operate any other unit, face this remote control transmitter toward that unit.

To operate the amplifier

(D in the diagram on the left)

To select an input source

AUX CD TUNER PHONO
TAPE 1 TAPE 2

To adjust the volume level

– VOLUME +

To operate the compact disc player

(B and D in the diagram on the left)

To start play

To start play from the desired track

CD 1 2 3 4 5 6 7 8 9 0 ≥10

Select the desired track number.
Example: Track 12 (≥10 → 1 → 2)

→ **For CD changer**
Select the desired disc by pressing "DISC/BAND" and then appropriate numeric button ("1"–"5").

Note: When you want to select further tracks, you do not have to press the "CD" button again.

To stop play	
To stop play temporarily	Press to resume play.
To skip a track	

To operate the tuner

(A and D in the diagram on the left)

To select the desired channel sequentially

PRESET

To select the desired channel directly

TUNER 1 2 3 4 5 6 7 8 9 0 ≥10

Select the desired preset channel.
Example: Channel 12 (≥10 → 1 → 2)

Note: When you want to select further channels, you do not have to press the "TUNER" button again.

To select the desired band

TUNER → DISC/BAND

The band changes each time the button is pressed.

Note: When you want to change the band, you do not have to press the "TUNER" button again.

To operate the tape deck

(C in the diagram on the left)

To select the tape deck (DECK 1 or DECK 2)
(Only when using a double cassette deck)

DECK 1/2

The remote control indicator of the cassette deck is changed over each time the button is pressed.

To start play

(Reverse) (Forward)

To stop play	
To stop playback temporarily	Press or to resume play.
To fast-forward or rewind the tape	Press one of these buttons to select the desired tune while the unit is in the play mode. (Only applicable to a Technics tape deck with the "music select" functions.)

■ DESCRIPTION OF TECHNICAL FEATURES

New Power Supply Circuit—Virtual Battery Operation

When power supplied in the home is used, the noise generated by other devices and equipment leaks into the power supply of the audio circuitry. The ideal source of supplying power to safeguard against this is the battery. What Technics has done is develop a virtual battery operated power supply circuit which gives rein to the characteristics of the FET. This circuit enables the reproduction of a full-bodied bass and clear mid-range and treble sound which is in no way inferior to that produced by battery-driven operation.

■ Conventional bipolar transistor operation and its problems

With conventional operation, the problem is that noise from the power supply can find its way to the transistor. This noise is then transmitted when the reference potential (from the reference potential generator circuit) energizes the bipolar transistor. (See Fig. 1)

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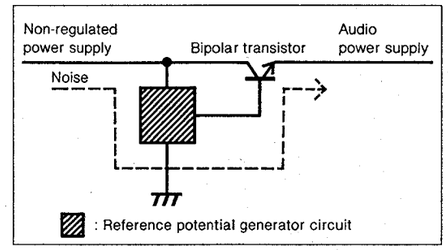
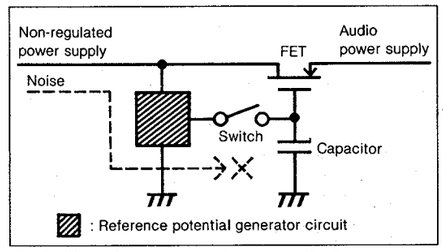
If the switch is closed, and then reopened after the capacitor has been charged, this charge will drive the FET. Consequently, no noise flows to the gate, thus preventing noise interference from the power supply. (See Fig. 2)



[Fig.1] Conventional power supply circuit



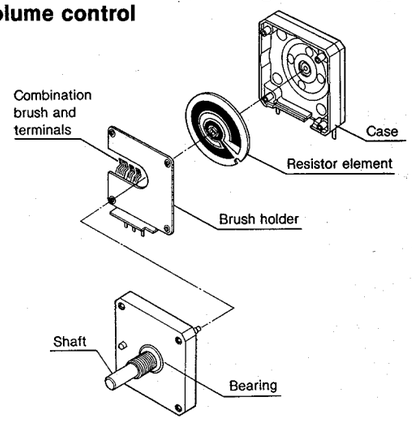
[Fig.2] Virtual battery operated power supply circuit (General outline)

High-performance, high-sound-quality volume control

Volume control, which is the function of a control amplifier, is also very important from the aspect of sound quality. The volume control on this control amplifier is not simply an improved version of past designs, but was developed based on a totally new concept.
First, we began by examining how the sound quality of the volume control could be improved within the system comprised of: CD player to volume control to power amplifier to speakers. We investigated the effect that each of the components of the volume control – the resistor, the brush, the terminals, the case, and the other parts – have on the sound quality, and asked ourselves how improvements could be made. As a result, we began working on re-designing the construction of the volume control itself.

Up until now, volume controls have been constructed so that the rotation of the brush across the surface of the resistor provided the desired audio signal. In this new volume control construction, however, the brush is held stationary and the resistor is rotated. As a result, there are fewer locations where different metals are joined together, something which previously caused deterioration of the sound quality, and consequently the sound quality has been greatly improved.
In addition, of all the components of the volume control, the one that has the greatest effect on sound quality is the resistor. Thus, this new volume control features a resistor for which distortion has been drastically reduced by using a special compound of fine-particle carbon. Furthermore, in order to prevent vibrations from being transmitted to the brush, the resistor is placed inside a heavy die-cast zinc case. These and other measures have succeeded in greatly improving the sound quality of the volume control.

Composition of the rotating-resistor type volume control

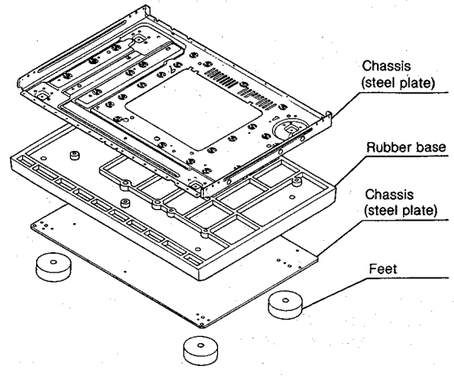


Anti-vibration THCB for support of circuitry components

THCB: Technics Hybrid Construction Base

Because a control amplifier deals with very low level signals, it can be easily affected by internal and external vibration. In order to solve this problem, the chassis of this control amplifier features a three-layer anti-vibration construction – which has been used for many years on Technics analog disc players – in which a hard rubber base core is sandwiched between two sheets of steel plate.

Composition of the THCB

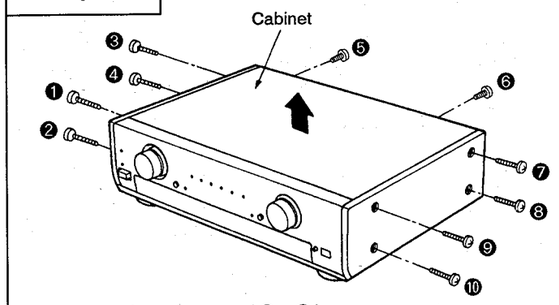


■ DISASSEMBLY INSTRUCTIONS

"ATTENTION SERVICER"
Some chassis components may have sharp edges. Be careful when disassembling and servicing.

Ref.No. 1 — **Removal of the cabinet**

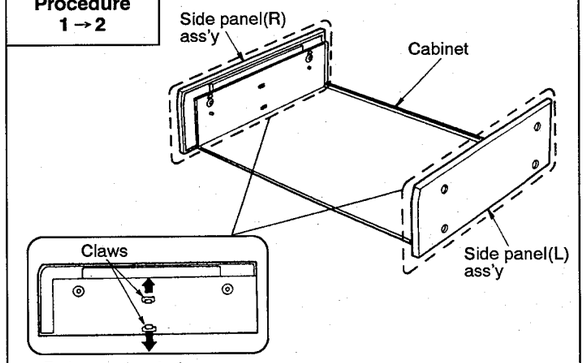
Procedure 1



1. Remove the 10 screws(❶~❿).
2. Remove the cabinet in the direction of arrow.

Ref.No. 2 — **Removal of the side panel(L) and (R) ass'y**

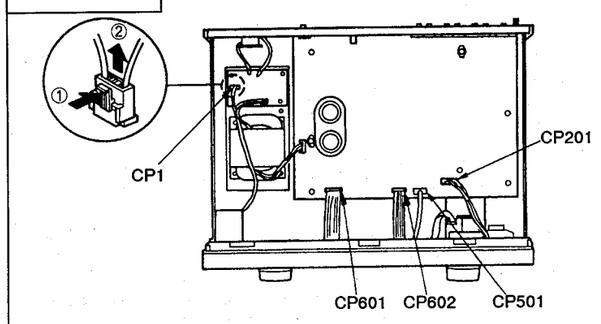
Procedure 1→2



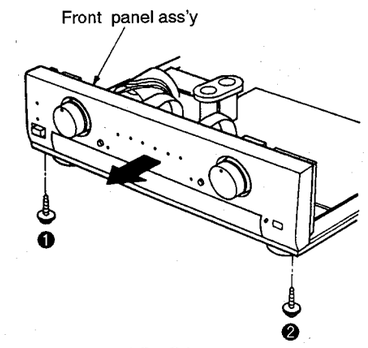
• Release the 4 claws.

Ref.No. 3 — **Removal of the front panel ass'y**

Procedure 1→3



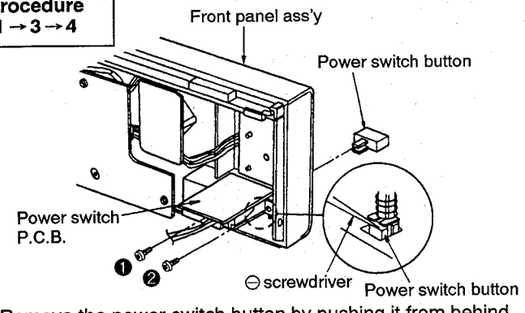
1. Remove the 5 connectors(CP1, CP201, CP501, CP601, CP602).



2. Remove the 2 screws(❶, ❷).
3. Remove the front panel ass'y in the direction of arrow.

Ref.No. 4 — **Removal of the power switch P.C.B.**

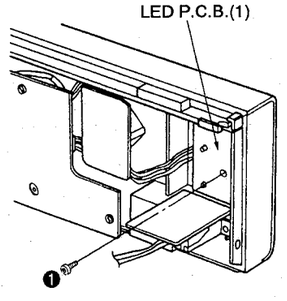
Procedure 1→3→4



1. Remove the power switch button by pushing it from behind the front panel ass'y.
2. Remove the 2 screws(❶, ❷).

Ref.No. 5 — **Removal of the LED P.C.B.(1)**

Procedure 1→3→5



• Remove the 1 screw(❶).

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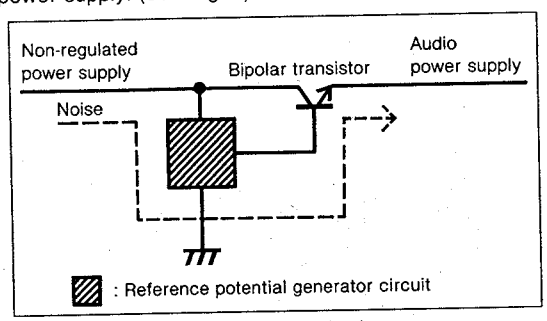
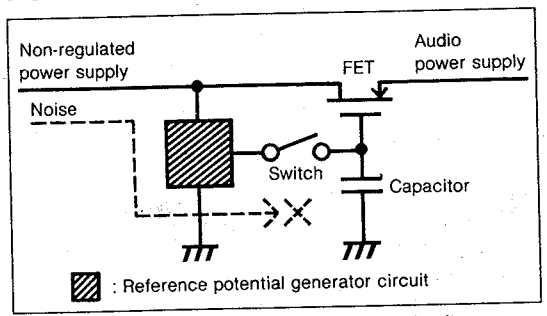


[Fig.1] Conventional power supply circuit



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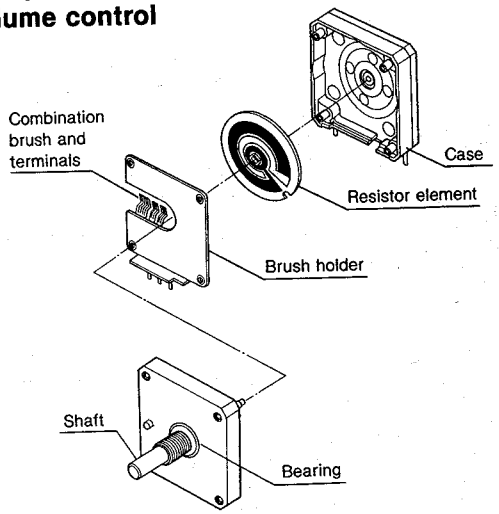

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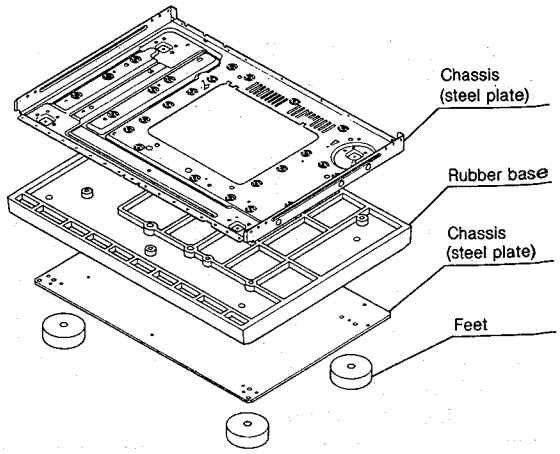

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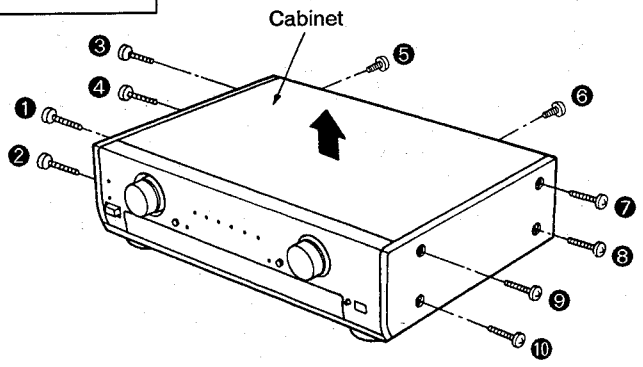
Procedure 1



1. Remove the 10 screws(❶ ~ ❿).
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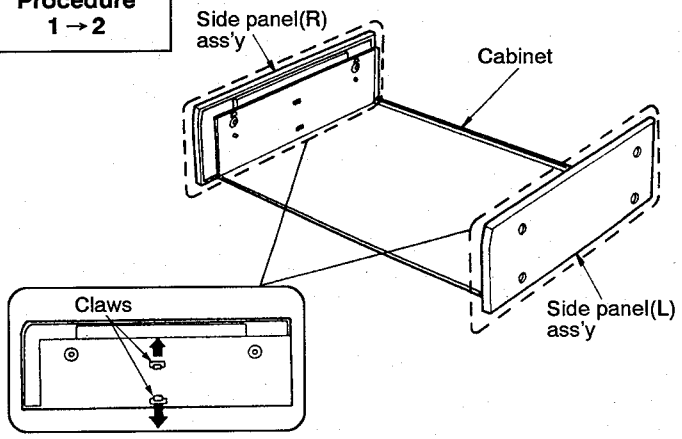
Ref.No. 2	Removal of the side panel(L) and (R) ass'y

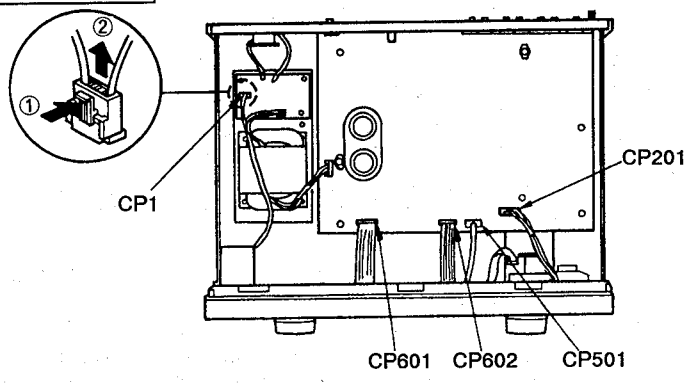
Procedure 1 → 2



• Release the 4 claws.

Ref.No. 3	Removal of the front panel ass'y

Procedure 1 → 3



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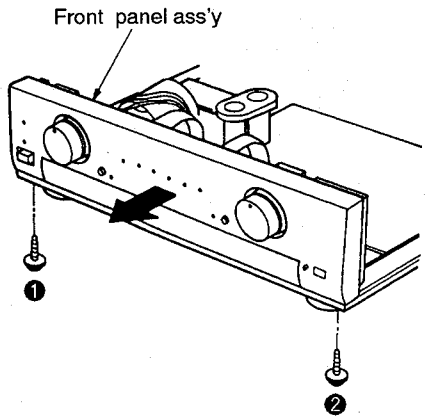
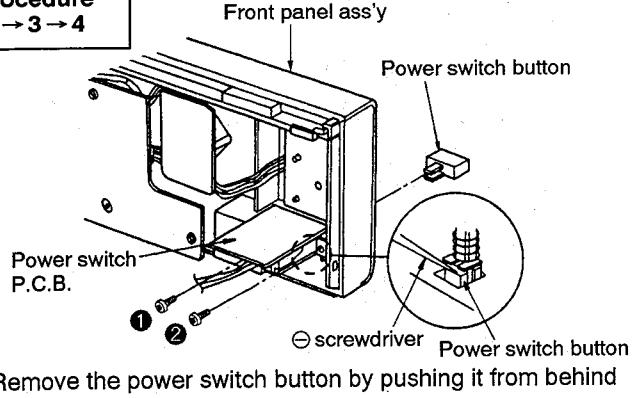


2. Remove the 2 screws(❶, ❷).
3. Remove the front panel ass'y in the direction of arrow.

Ref.No. 4	Removal of the power switch P.C.B.

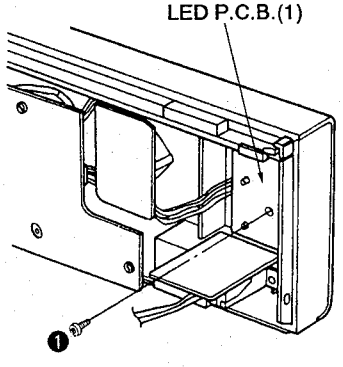
Procedure 1 → 3 → 4



1. Remove the power switch button by pushing it from behind the front panel ass'y.
2. Remove the 2 screws(❶, ❷).

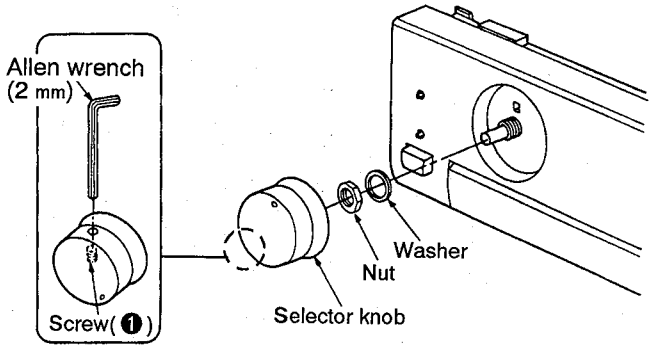
Ref.No. 5	Removal of the LED P.C.B.(1)

Procedure 1 → 3 → 5

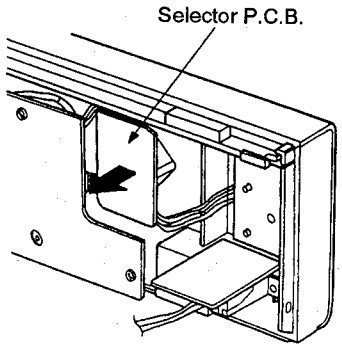


• Remove the 1 screw(❶).

Ref.No. 6	Removal of the selector P.C.B.
Procedure 1→3→6	

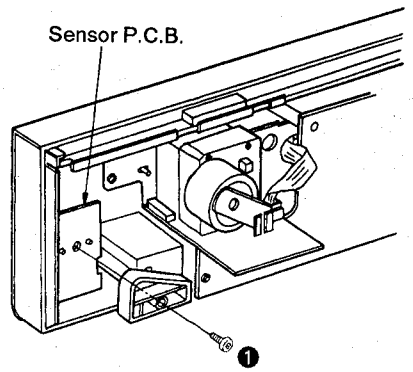


1. Untight the 1 screw(❶) with the allen wrench(2 mm), and then remove the selector knob.
2. Remove the nut and washer.



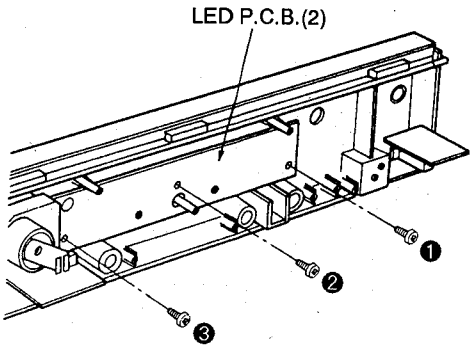
3. Remove the selector P.C.B. in the direction of arrow.

Ref.No. 7	Removal of the sensor P.C.B.
Procedure 1→3→7	



• Remove the 1 screw(❶).

Ref.No. 9	Removal of LED P.C.B.(2)
Procedure 1→2→5→6 →7→8→9	



• Remove the 3 screws(❶~❸).

Ref.No. 8	Removal of the operation P.C.B.
Procedure 1→3→5→6 →7→8	

※ Removal of the knob
Stick the adhesive tape to the end of the knob in the figure 1 and then pull out knob.

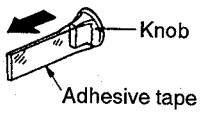
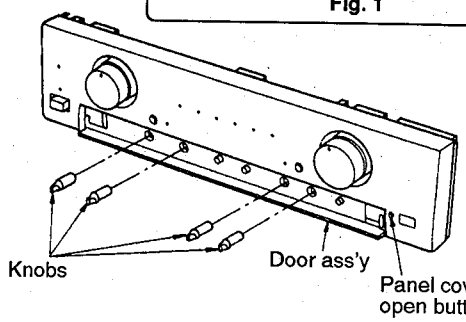
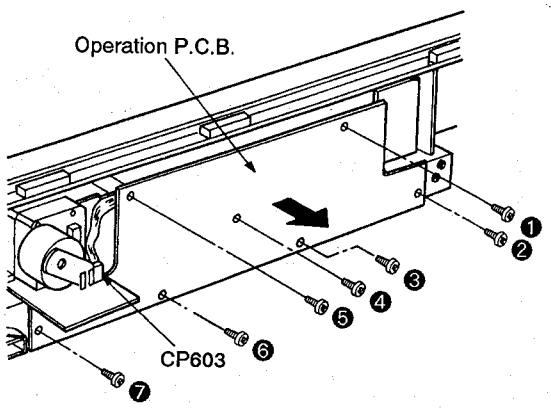


Fig. 1

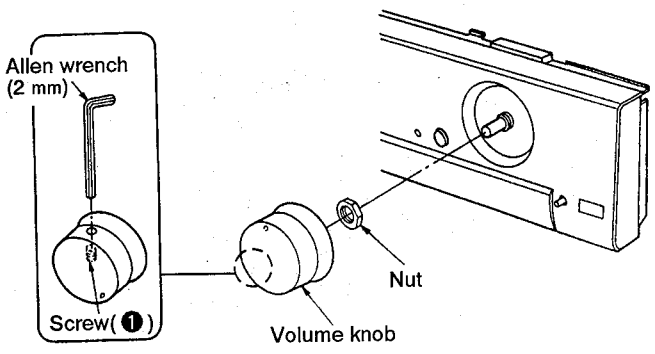


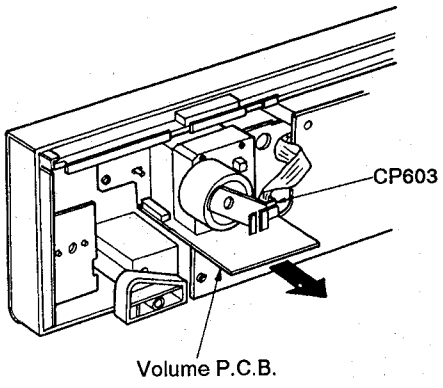
1. Push the panel cover open button and open the door ass'y.
2. Pull out the 4 knobs.



3. Remove the 1 connector(CP603).
4. Remove the 7 screws(❶~❼).
5. Remove the operation P.C.B. in the direction of arrow.

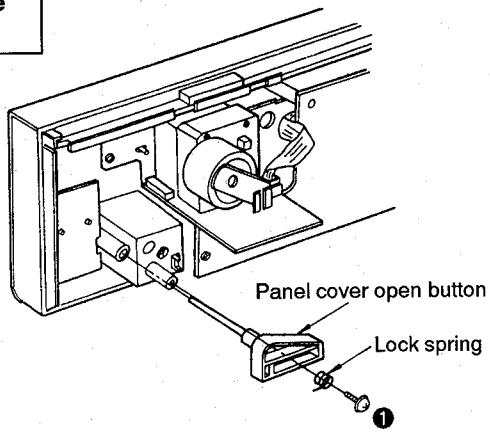
Ref.No. 10	Removal of the volume P.C.B.
Procedure 1→3→10	





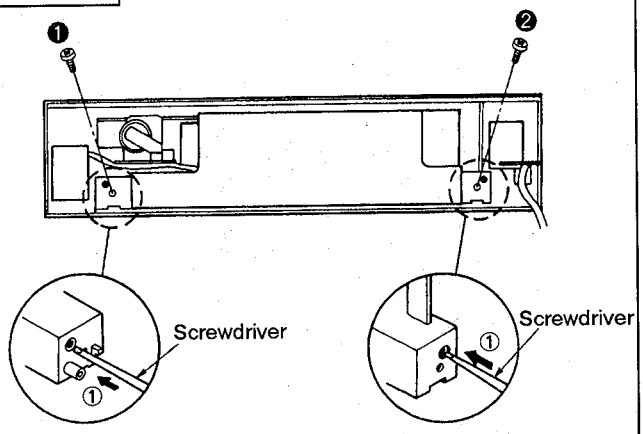
1. Untight the 1 screw(❶) with the allen wrench(2 mm), and then remove the volume knob.
2. Remove the nut.
3. Remove the connector(CP603).
4. Remove the volume P.C.B. in the direction of arrow.

Ref.No. 11	Removal of the panel cover open button
Procedure 1→3→11	



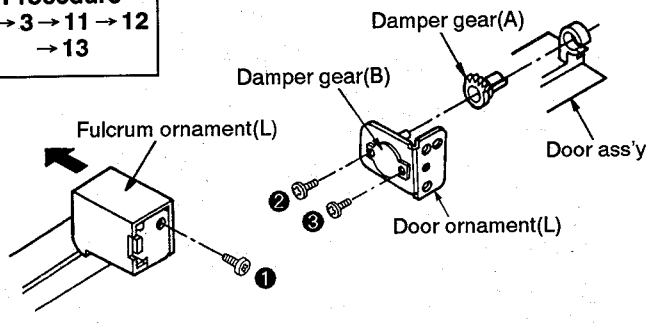
1. Remove the 1 screw(❶).
2. Remove the lock spring and panel cover open button.

Ref.No. 12	Removal of the door ass'y
Procedure 1→3→11→12	

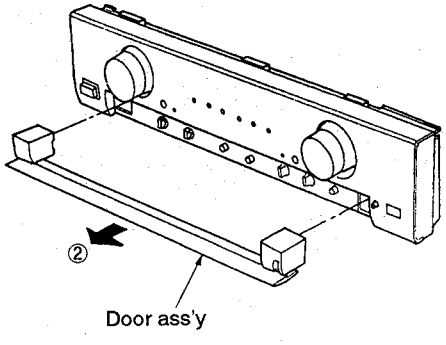


1. Remove the 2 screws(❶, ❷).
2. Push the door ass'y in the direction of arrow ① with as screwdriver.

Ref.No. 13	Removal of the damper gear(A), damper gear(B), door ornament(L) and fulcrum ornament(L)
Procedure 1→3→11→12→13	

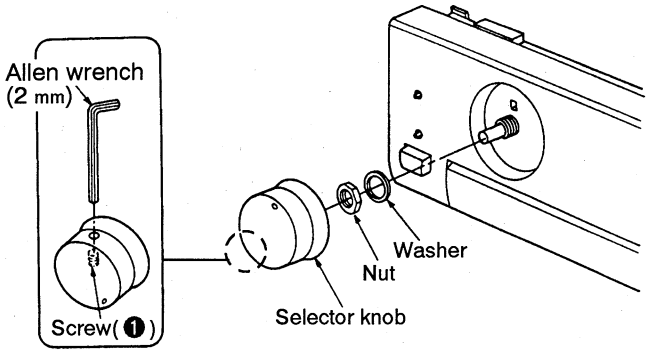


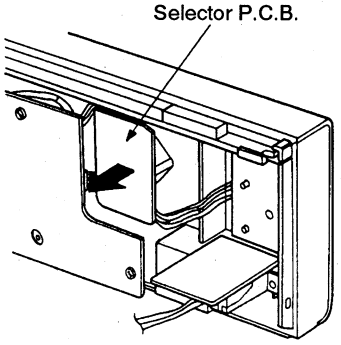
1. Remove the 1 screw(❶).
2. Remove the fulcrum ornament(L) in the direction of arrow.
3. Remove the door ornament(L) and damper gear(A) from the door ass'y.
4. Remove the 2 screws(❷, ❸), and then remove the damper gear(B).



3. Draw the door ass'y in the direction of arrow ②.

Ref.No. 6	Removal of the selector P.C.B.
Procedure 1→3→6	





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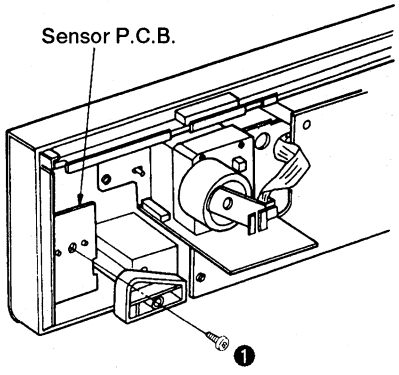
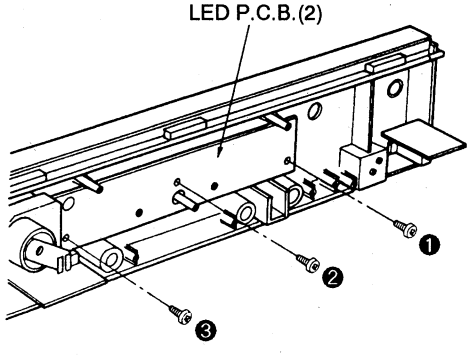
Ref.No. 7	Removal of the sensor P.C.B.
Procedure 1→3→7	



• Remove the 1 screw(❶).

Ref.No. 9	Removal of LED P.C.B.(2)
Procedure 1→2→5→6→7→8→9	



• Remove the 3 screws(❶~❸).

Ref.No. 8	Removal of the operation P.C.B.
Procedure 1→3→5→6→7→8	

※ **Removal of the knob**
Stick the adhesive tape to the end of the knob in the figure 1 and then pull out knob.

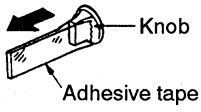
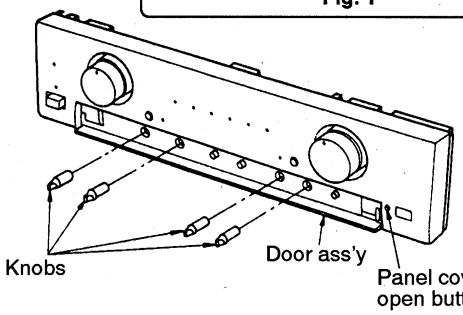
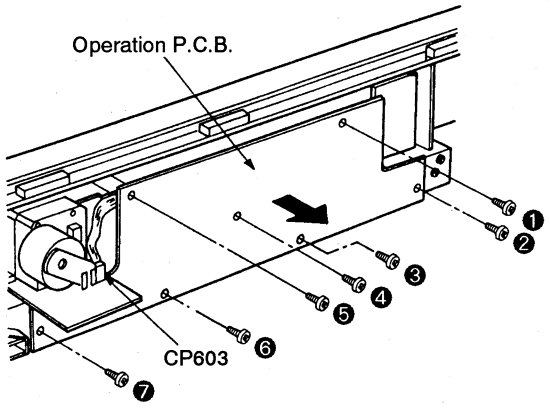


Fig. 1

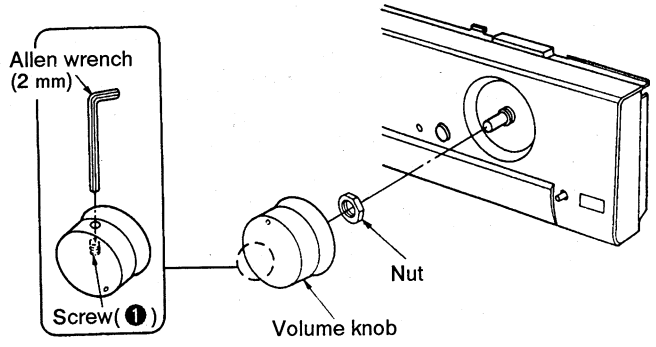


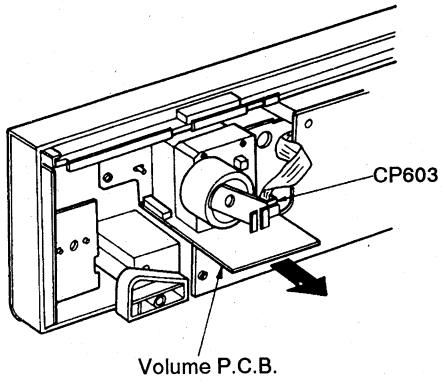
1. Push the panel cover open button and open the door ass'y.
2. Pull out the 4 knobs.



3. Remove the 1 connector(CP603).
4. Remove the 7 screws(❶~❼).
5. Remove the operation P.C.B. in the direction of arrow.

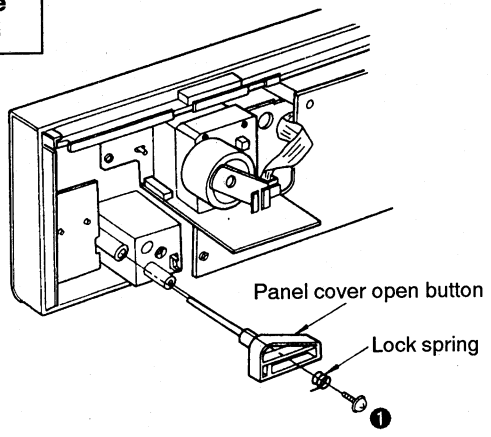
Ref.No. 10	Removal of the volume P.C.B.
Procedure 1→3→10	





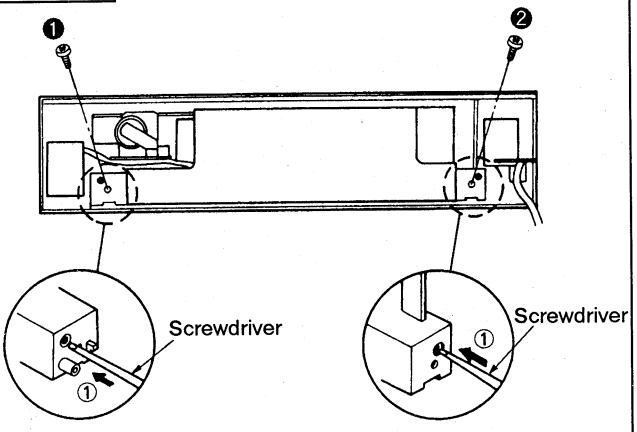
1. Untight the 1 screw(❶) with the allen wrench(2 mm), and then remove the volume knob.
2. Remove the nut.
3. Remove the connector(CP603).
4. Remove the volume P.C.B. in the direction of arrow.

Ref.No. 11	Removal of the panel cover open button
Procedure 1→3→11	



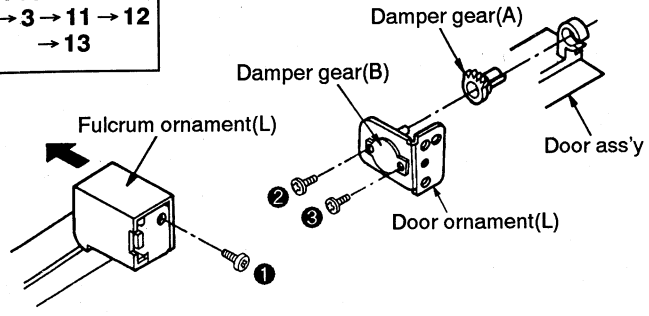
1. Remove the 1 screw(❶).
2. Remove the lock spring and panel cover open button.

Ref.No. 12	Removal of the door ass'y
Procedure 1→3→11→12	

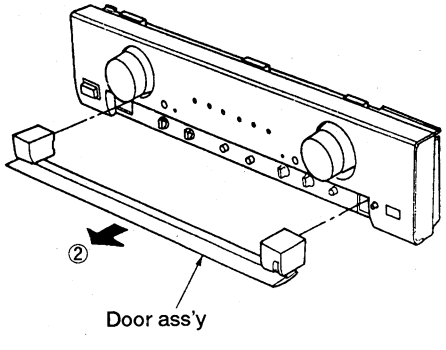


1. Remove the 2 screws(❶, ❷).
2. Push the door ass'y in the direction of arrow ① with as screwdriver.

Ref.No. 13	Removal of the damper gear(A), damper gear(B), door ornament(L) and fulcrum ornament(L)
Procedure 1→3→11→12→13	



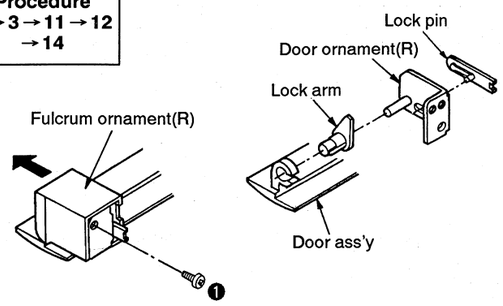
1. Remove the 1 screw(❶).
2. Remove the fulcrum ornament(L) in the direction of arrow.
3. Remove the door ornament(L) and damper gear(A) from the door ass'y.
4. Remove the 2 screws(❷, ❸), and then remove the damper gear(B).



3. Draw the door ass'y in the direction of arrow ②.

Ref.No. 14 — Removal of the lock arm, door ornament(R), lock pin and fulcrum ornament(R)

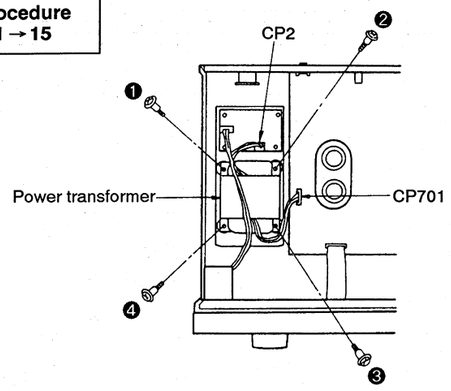
Procedure
1 → 3 → 11 → 12 → 14



1. Remove the 1 screw(❶).
2. Remove the fulcrum ornament(R) in the direction of arrow.
3. Remove the lock pin, door ornament(R) and lock arm from the door ass'y.

Ref.No. 15 — Removal of the power transformer

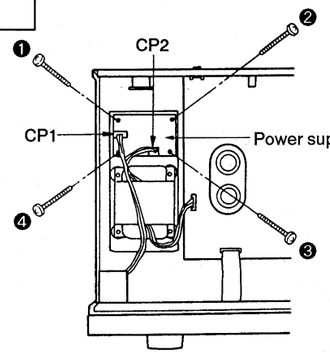
Procedure
1 → 15



1. Remove the connectors(CP2, CP701).
2. Remove the 4 screws(❶~❹).

Ref.No. 16 — Removal of the power supply P.C.B.

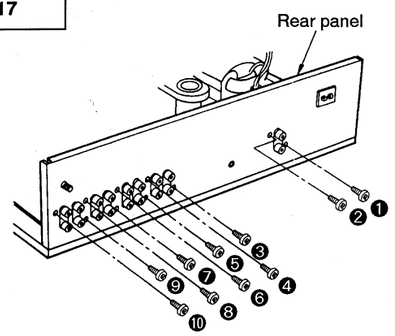
Procedure
1 → 16



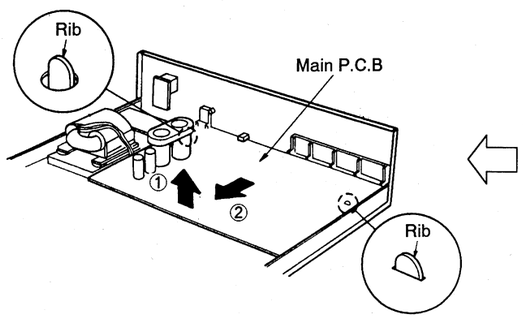
1. Remove the connectors(CP1, CP2).
2. Remove the 4 screws(❶~❹).

Ref.No. 17 — Removal of the main P.C.B.

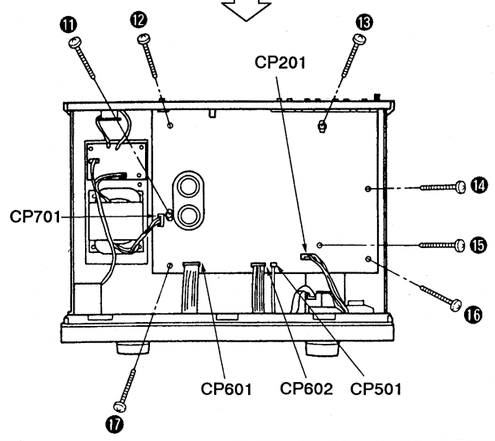
Procedure
1 → 17



1. Remove the 10 screws(❶~❿).



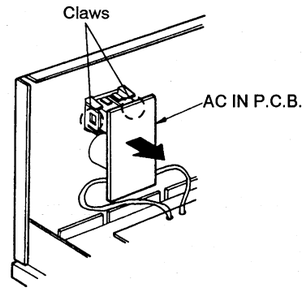
4. Lifting up the main P.C.B. in the direction of arrow ①, release the 2 ribs and then remove the main P.C.B. in the direction of arrow ②.



2. Remove the 5 connectors(CP201, CP501, CP601,CP602, CP701).
3. Remove the 7 screws(⓫~⓱).

Ref.No. 18 — Removal of the AC IN P.C.B.

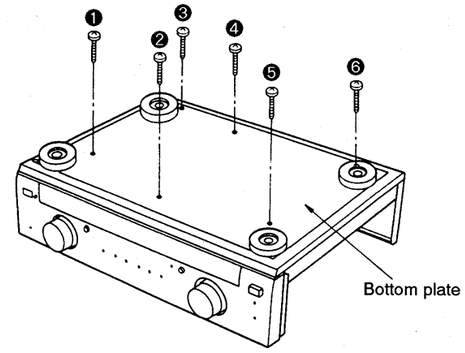
Procedure
1 → 18



• Release the 2 claws.

Ref.No. 19 — Removal of the bottom plate

Procedure
1 → 19

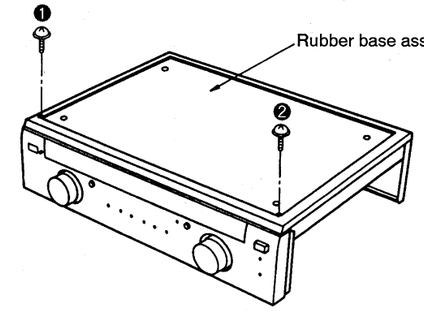


• Remove the 6 screws(❶~❻).

Ref.No. 20 — Removal of the rubber base ass'y

Procedure
1 → 19 → 20

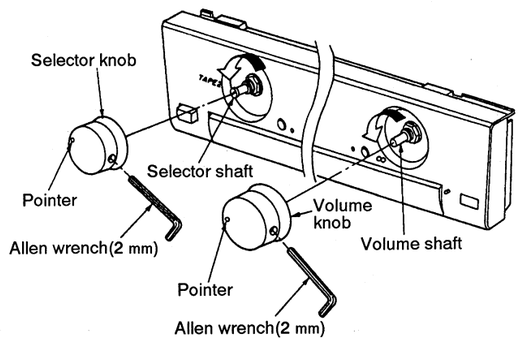
1. Remove the 2 screws(❶, ❷).
2. Remove the rubber base ass'y.



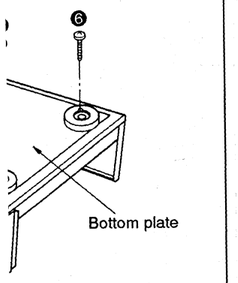
■ INSTALLATION OF THE VOLUME KNOB AND SELECTOR KNOB

● **Selector knob**
1. Turn the selector shaft fully in the direction of arrow.
2. Align the pointer of the selector knob to the indication "TAPE2" and tighten the screw.

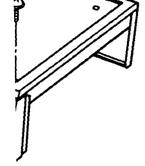
● **Volume knob**
1. Turn the volume shaft fully in the direction of arrow.
2. Align the pointer of the volume knob to the indication " ∞ " and tighten the screw.

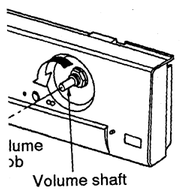


bottom plate

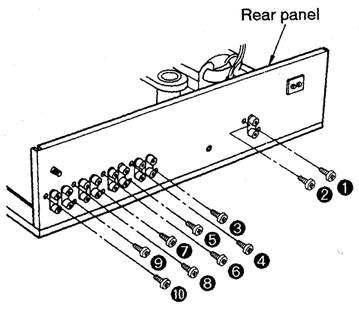


Rubber base ass'y

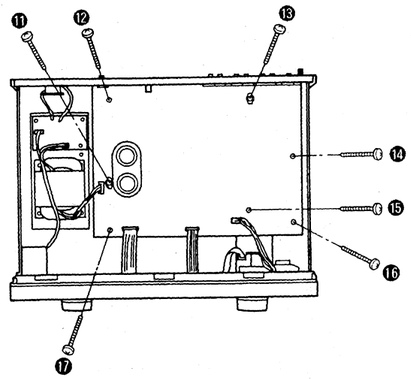




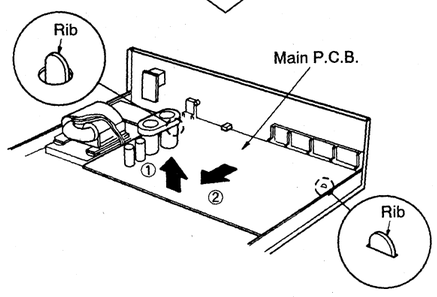
■ HOW TO CHECK THE MAIN P.C.B.



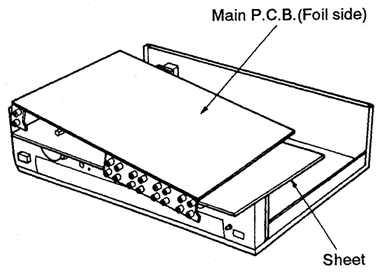
1. Remove the 10 screws(❶~❿).



2. Remove the 7 screws(⓫~⓱).

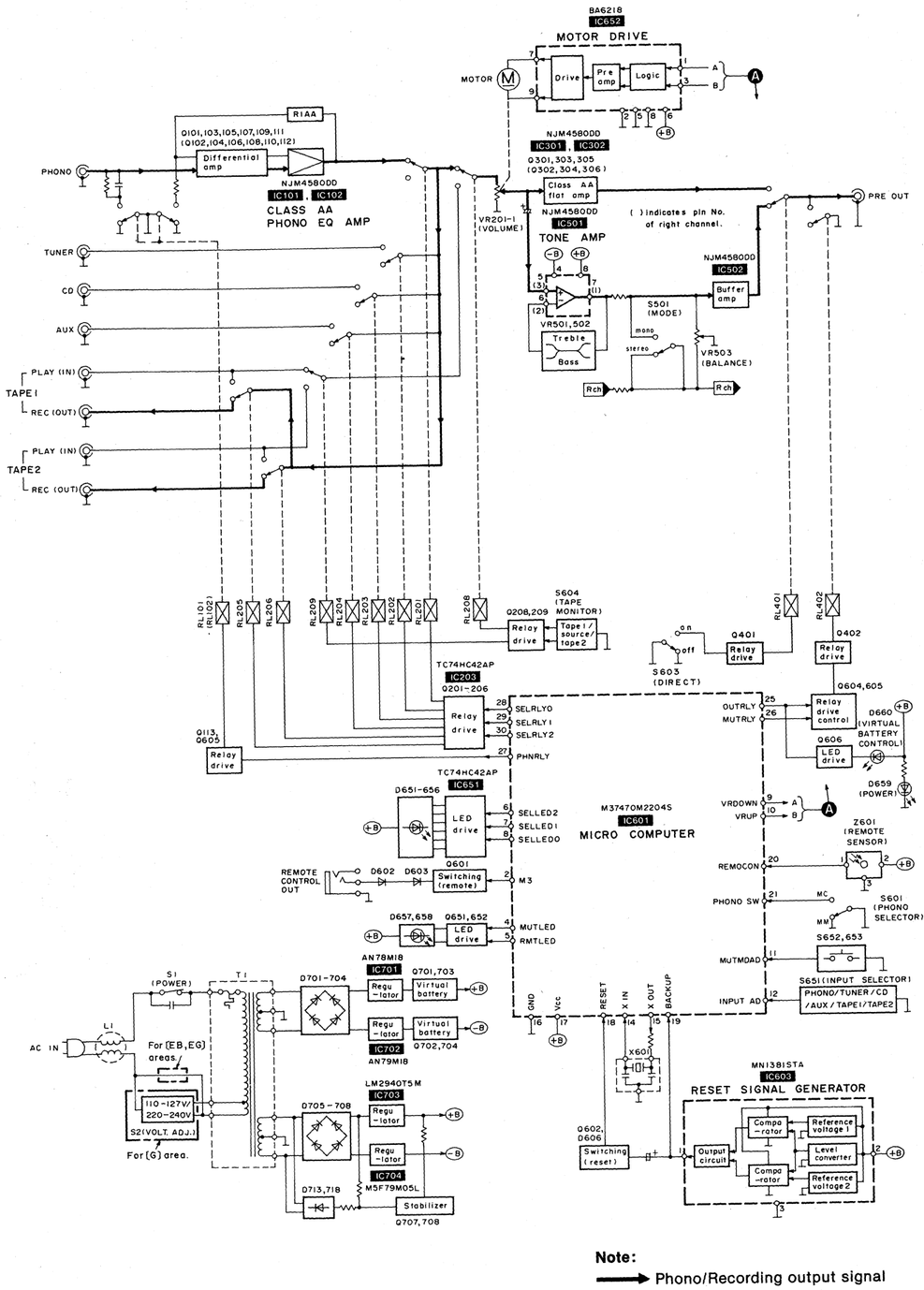


3. Lifting up the main P.C.B. in the direction of arrow①, release the 2 ribs and remove the main P.C.B. in the direction of arrow②.



4. Check the main P.C.B. (foil side) as shown above.

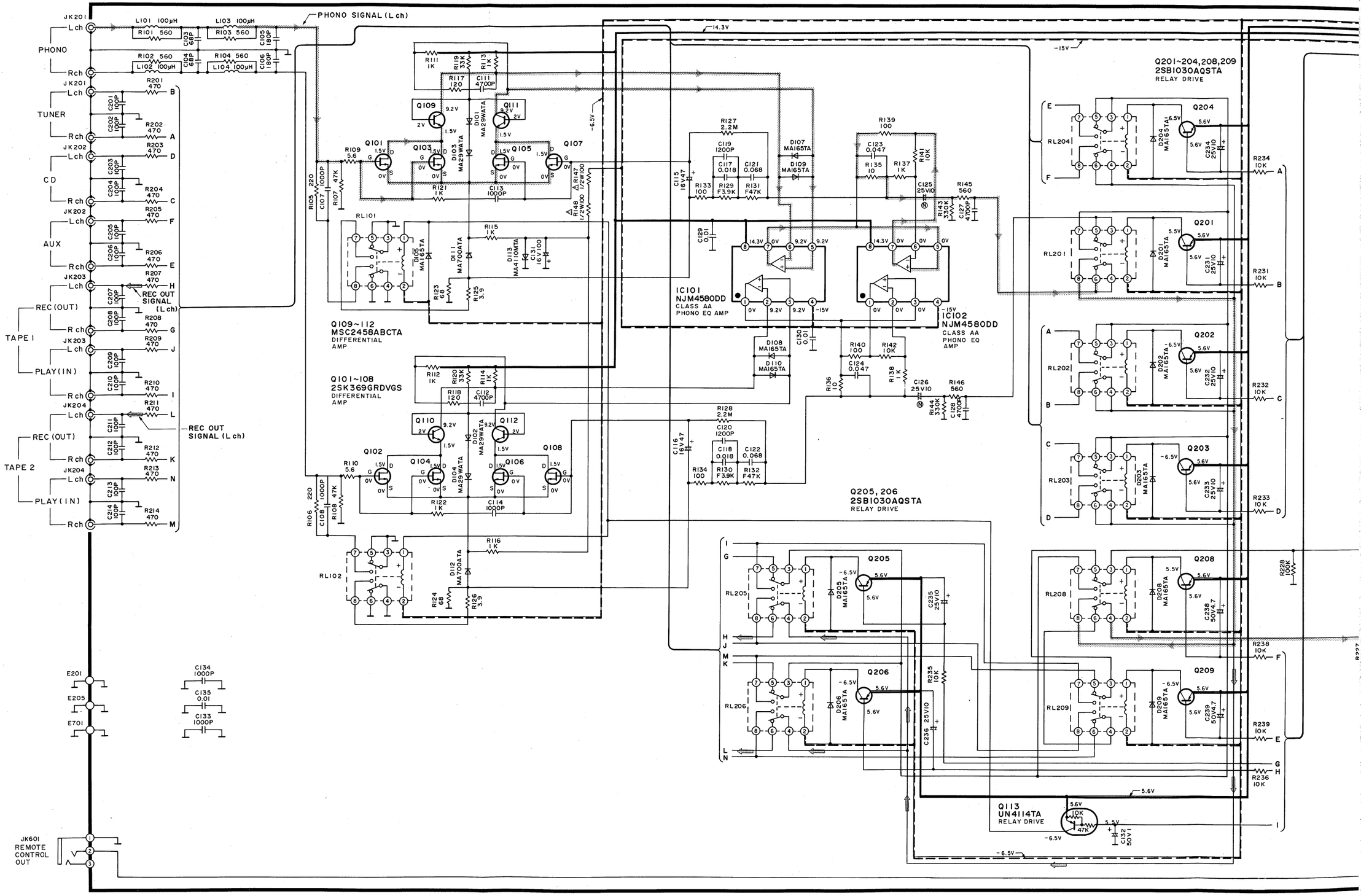
■ BLOCK DIAGRAM



Note:

→ Phono/Recording output signal

A MAIN CIRCUIT (CLASS AA PHONO EQ AMP / CLASS AA FLAT AMP / INPUT SELECTOR / REGULATOR)



10 11 12 13 14 15 16 17 18 19

Q201~204,208,209
2SB1030A0STA
RELAY DRIVE

Q303~306
MSC2458ABCTA
CLASS AA
FLAT AMP

Q301,302
2SK389BG
CLASS AA
FLAT AMP

IC301,302
NJM4580DD
CLASS AA
FLAT AMP

Q401
UN4114TA
RELAY DRIVE

Q402
UN4114TA
RELAY DRIVE

JK401
Lch
Rch
PRE OUT

B OPERATION CIRCUIT

IC501 NJM4580DD TONE AMP

IC502 NJM4580DD BUFFER AMP

IC203 TC74HC42AP RELAY DRIVE

IC603 MN1381STA RESET SIGNAL GENERATOR

IC601 M37470M2204S MICRO COMPUTER

Q601 UN421ITA SWITCHING (REMOTE)

Q602 UN421ITA SWITCHING (RESET)

Q603 UN421ITA RELAY DRIVE

Q604 UN421ITA RELAY DRIVE CONT.

Q605 UN421ITA RELAY DRIVE CONT.

Q606 UN421ITA LED DRIVE

S501 (MODE) mono / stereo

S604 (TAPE MONITOR) 1--TAPE 1 2--SOURCE 3--TAPE 2

S603 (DIRECT) on / off

S601 (PHONO SELECTOR)

Z602 (10K x 3)

X601 (4MHz)

Z601 RCDHC-278-E (REMOTE SENSOR)

C SELECTOR CIRCUIT

S651 (INPUT SELECTOR)
1--AUX 2--PHONO
3--TUNER 4--CD
5--TAPE 1 (TAPE 1 ▶ 2)
6--TAPE 2 (TAPE 2 ▶ 1)

D LED CIRCUIT (2)

IC651 TC74HC42AP LED DRIVE

D651 (PHONO) D652 (TUNER) D653 (CD) D654 (AUX) D655 (TAPE 1) D656 (TAPE 2)
D651~D656 LN0118304P

D657 LN0118304P (MUTING)
D658 LN0118304P (REMOTE)

Q651 UN421ITA LED DRIVE

Q652 UN421ITA LED DRIVE

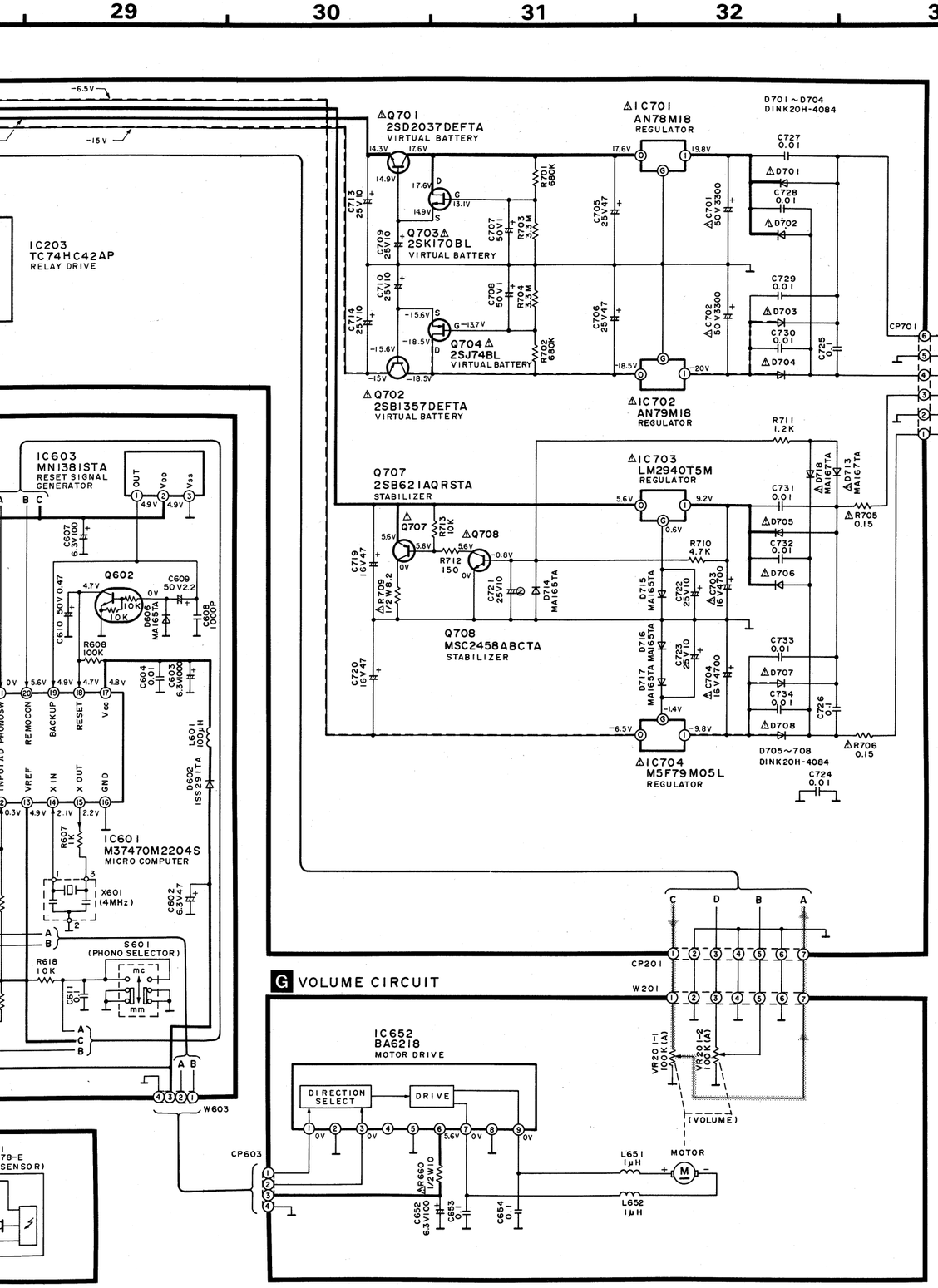
S652 (MANUAL)
S653 (MUTING)

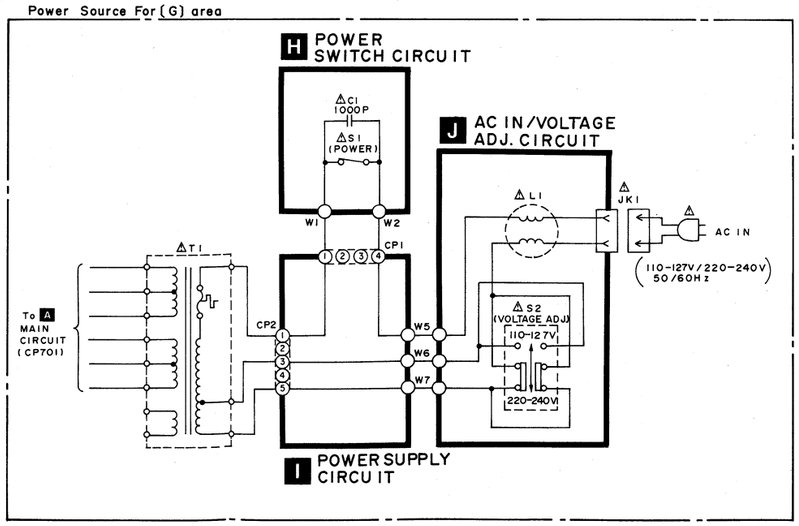
E LED CIRCUIT (1)

D659 LN8346RP-C (POWER)
D660 LN446YP-C (VIRTUAL BATTERY OPERATION)

F SENSOR CIRCUIT

G VC





■ SCHEMATIC DIAGRAM

(Parts list on pages 35～37.)

(This schematic diagram may be modified at any time with the development of new technology.)

Note 1:

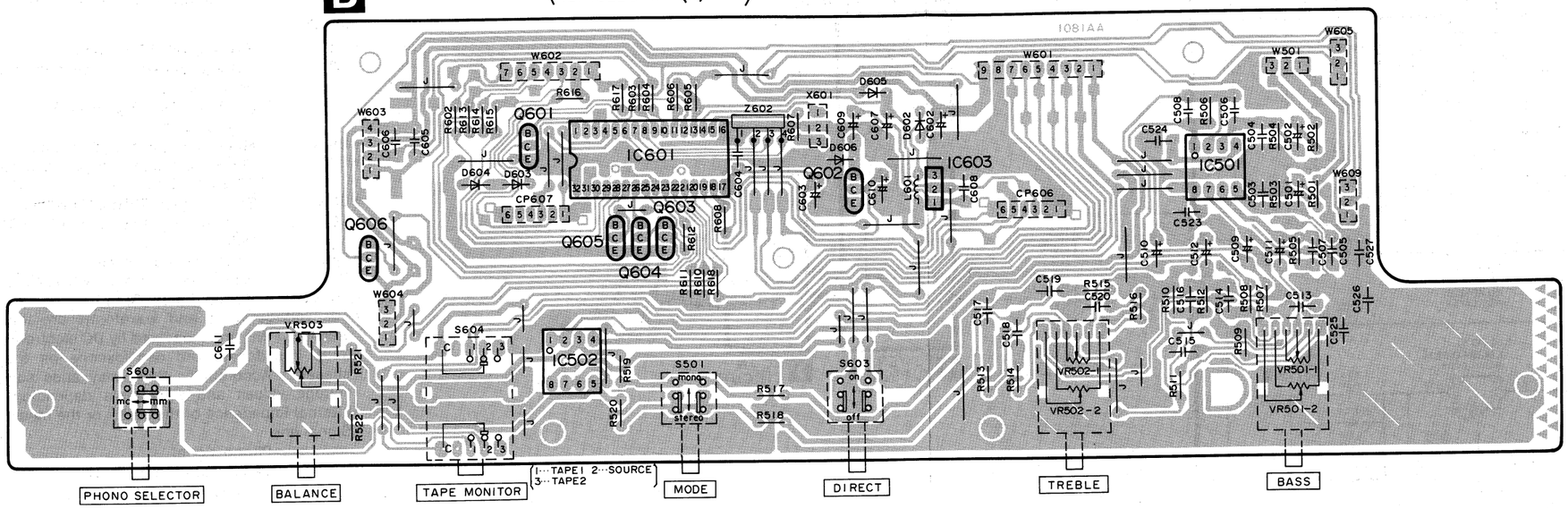
- S1 : Power (POWER) switch.
- S2 : Voltage adjustment switch in "220V～240V" position.
  (110V～127V↔220V～240V)
  [For (G) area.]
- S501 : Mode selector (MODE) switch.
- S601 : Phono cartridge selector (PHONO SELECTOR) switch.
- S603 : Source direct (DIRECT) switch.
- S604 : Tape-monitor selector (TAPE MONITOR) switch.
- S651 : Input selector switch.
- S652 : Manual mode select (MANUAL) switch.
- S653 : Muting (MUTING) switch.
- The voltage value and waveforms are the reference voltage of this unit measured by DC electronic voltmeter (high impedance) and oscilloscope on the basis of chassis. Accordingly, there may arise some error in voltage values and waveforms depending upon the internal impedance of the tester or the measuring unit.
- Signal line
  : Phono signal
  : Recording output signal
  : +B line
  : −B line
- Important safety notice
  Components identified by △ mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used as occation calls. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.
- The supply part number is described alone in the replacement parts.

Part No.	Production Part No.	Supply Part No.
IC703	LM2940T5M	LM2940T5
Z601	RCDHC-278-E	RCDHC-278

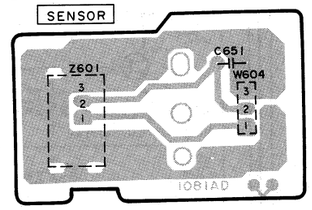
- **Caution!**
  IC and LSI are sensitive to static electricity.
  Secondary trouble can be prevented by taking care during repair.
- Cover the parts boxes made of plastics with alminum foil.
- Ground the soldering iron.
- Put a conductive mat on the work table.
- Do not touch the legs of IC or LSI with the fingers directly.

■PRINTED CIRCUIT BOARDS DIAGRAM

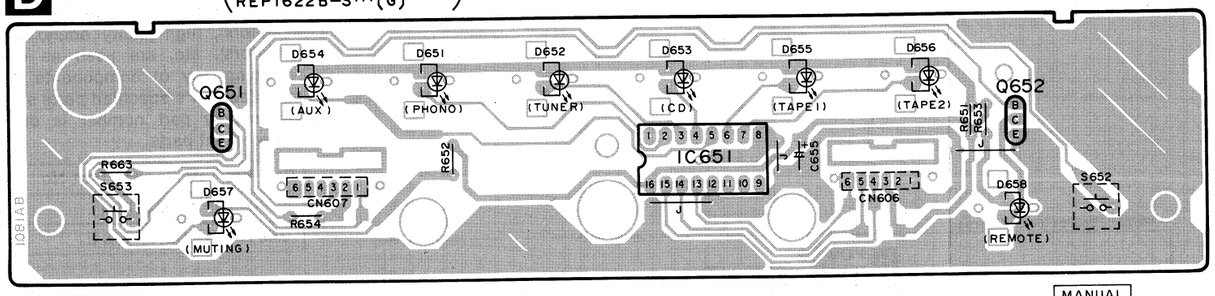
B OPERATION P.C.B. (REP1622A-S···(EB,EG) REP1622B-S···(G))



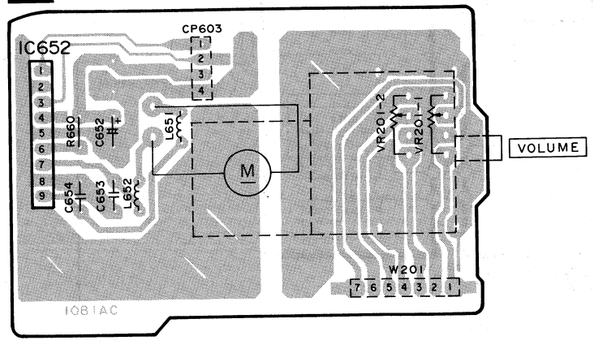
F SENSOR P.C.B. (REP1622A-S···(EB,EG) REP1622B-S···(G))



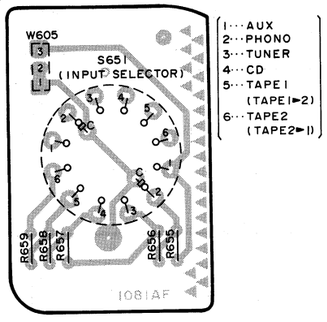
D LED P.C.B. (2) (REP1622A-S···(EB,EG) REP1622B-S···(G))



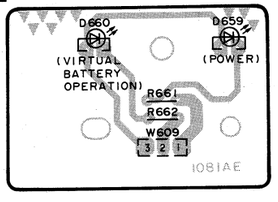
G VOLUME P.C.B. (REP1622A-S···(EB,EG) REP1622B-S···(G))



C SELECTOR P.C.B. (REP1622A-S···(EB,EG) REP1622B-S···(G))



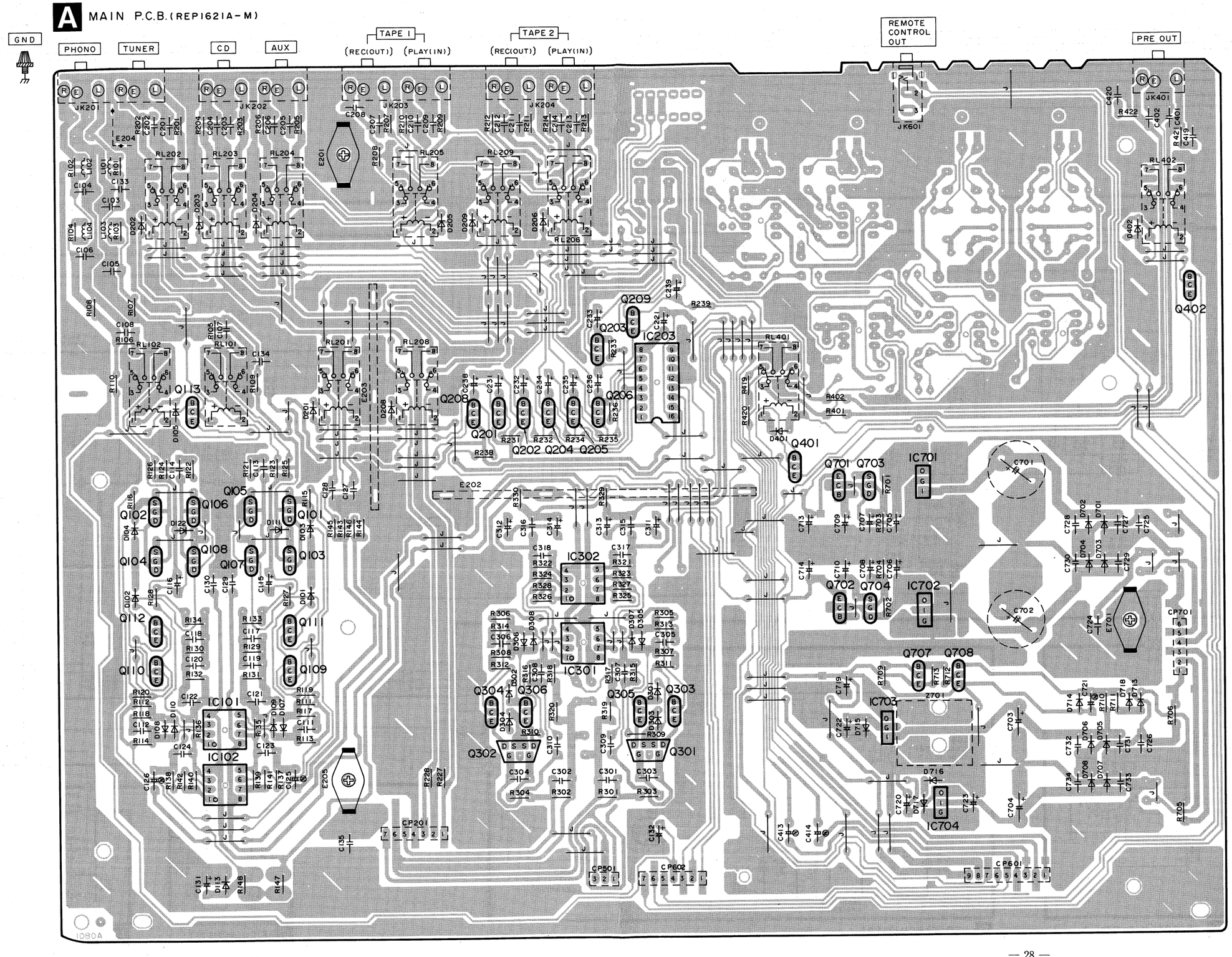
E LED P.C.B. (1) (REP1622A-S···(EB,EG) REP1622B-S···(G))



10 11 12 13 14 15 16 17 18 19

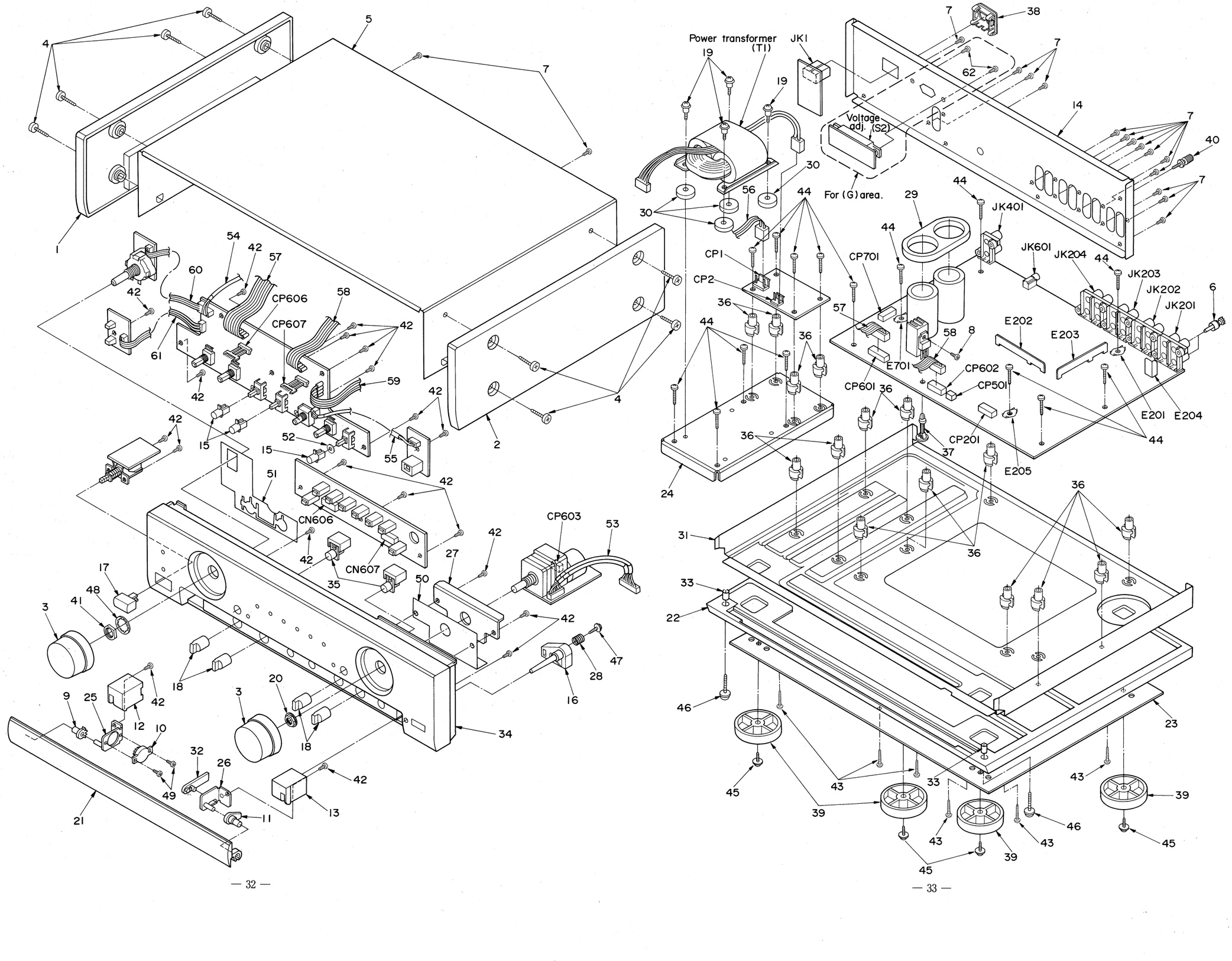
2A-S···(EB,EG)
2B-S···(G)

A MAIN P.C.B. (REP1621A-M)



SU-C2000 SU-C2000

■ CABINET PARTS LOCATION



■ REPLACE

Notes: *Important safe
Components i
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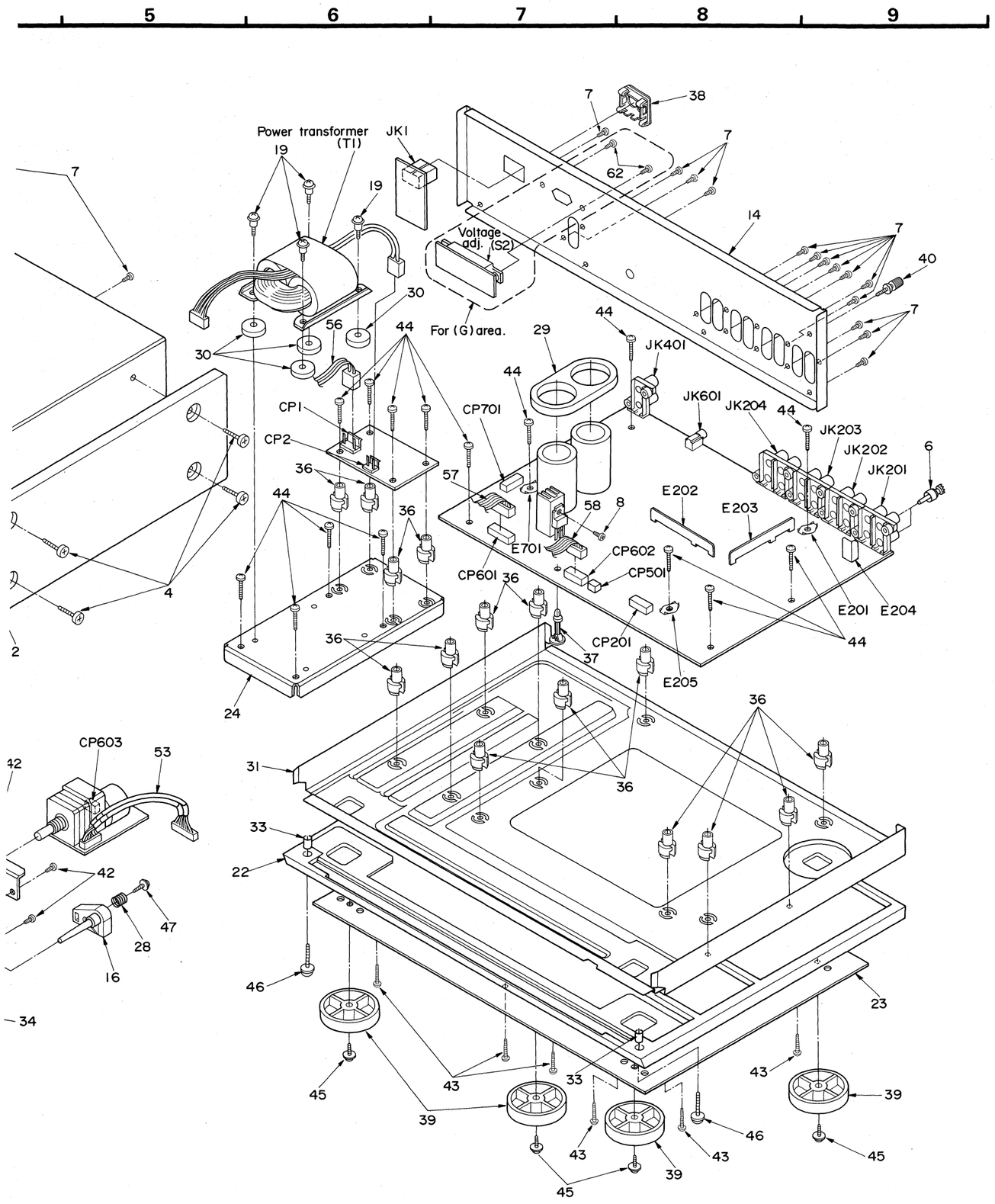
*The parenthes
Parts without
*The "(SF)" ma

Ref. No.	Part No.
1	RFKNC2000EGA
2	RFKNC2000EGE
3	RGW0180-K
4	RHD30034
5	RKM0216-K
6	SJPA11-1
7	XTBS3+8JFZ1
8	XTB3+8JFZ
9	RDG0222
10	RDG0229
11	RDK0021
12	RGK0525-K
13	RGK0526-K
14	RGR0173A-A
14	RGR0173A-B
14	RGR0173B-A
15	RGU0609-K
16	RGU0830-K
17	RGU0890-K
18	RGW0105-K
19	RHD30011
20	RHN90001
21	RFKNC2000EGC
22	RFKJUC2000EG
23	RMA0628A
24	RMA0631A
25	RMA0651
26	RMA0652
27	RMA0700
28	RMB0301
29	RMF0050
30	RMG0013A-K
31	RMK0191
32	RMR0623-N
33	RMX0084
34	RFKGUC2000EG
35	RGU0936-K
36	SHE187-2
37	SHR8006
38	SJS9231A
39	SKL306
40	SNE2123
41	XNS12
42	XTBS26+8J



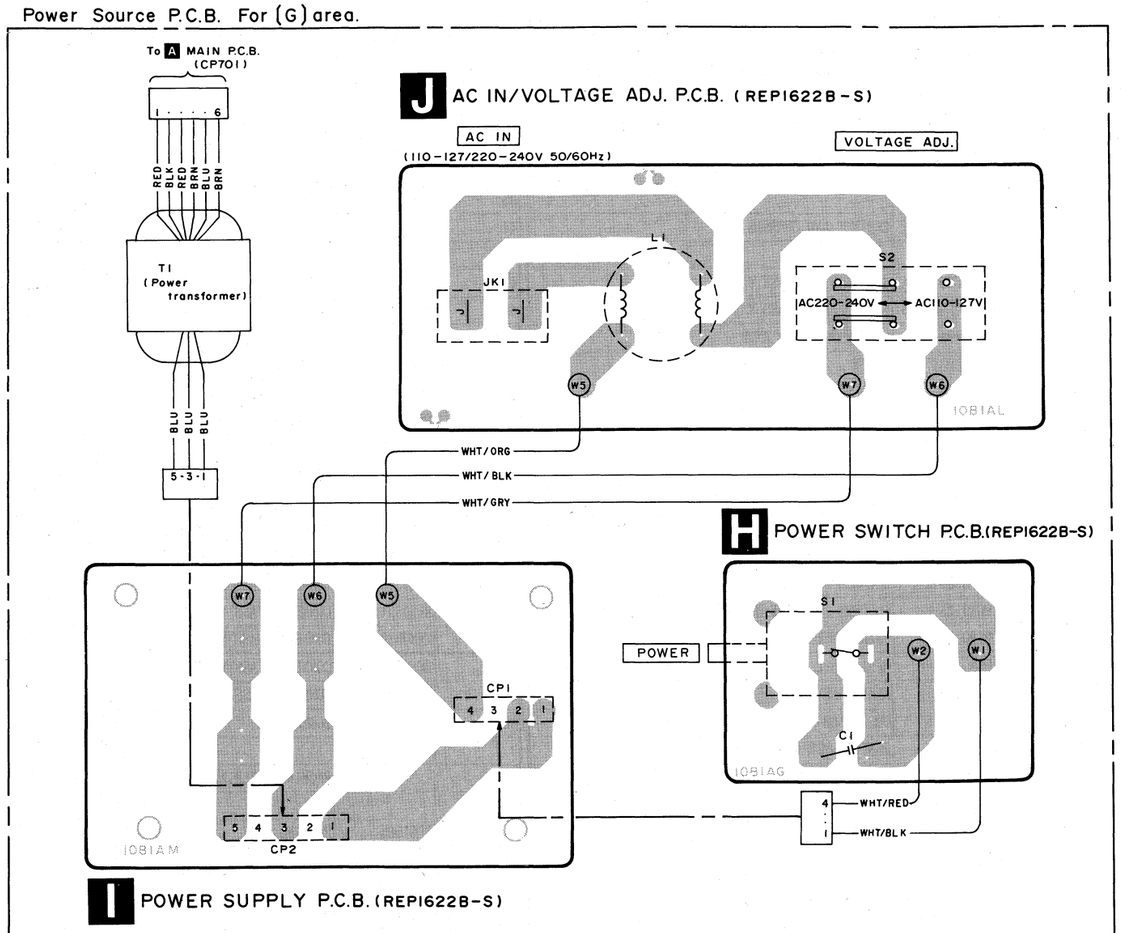
■ REPLACEMENT PARTS LIST

Notes: *Important safety notice:
Components identified by ⚠ mark have special characteristics important for safety.
Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.
When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.
*The parenthesized indications in the Remarks columns specify the areas. (Refer to the cover page for area.)
Parts without these indications can be used for all areas.
*The "(SF)" mark denotes the standard part.

Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET AND CHASSIS	
1	RFKNC2000EGA	SIDE PANEL(L) ASS'Y	
2	RFKNC2000EGB	SIDE PANEL(R) ASS'Y	
3	RGW0180-K	VOLUME/SELECTOR KNOB	
4	RHD30034	SCREW	
5	RKM0216-K	CABINET	
6	SJPA11-1	SHORT PIN	
7	XTBS3+8JFZ1	SCREW	
8	XTB3+8JFZ	SCREW	
9	RDG0222	DAMPER GEAR(A)	
10	RDG0229	DAMPER GEAR(B)	
11	RDK0021	LOCK ARM	
12	RGK0525-K	FULCRUM ORNAMENT(L)	
13	RGK0526-K	FULCRUM ORNAMENT(R)	
14	RGR0173A-A	REAR PANEL	(EG)
14	RGR0173A-B	RERA PANEL	(EB)
14	RGR0173B-A	REAR PANEL	(G)
15	RGU0609-K	PUSH KNOB	
16	RGU0830-K	PANEL COVER OPEN BUTTON	
17	RGU0890-K	POWER SWITCH BUTTON	
18	RGW0105-K	KNOB	
19	RHD30011	SCREW	
20	RHN90001	NUT	
21	RFKNC2000EGC	DOOR ASS'Y	
22	RFKJUC2000EG	RUBBER BASE ASS'Y	
23	RMA0628A	BOTTOM PLATE	
24	RMA0631A	TRANSFORMER BASE	
25	RMA0651	DOOR ORNAMENT(L)	
26	RMA0652	DOOR ORNAMENT(R)	
27	RMA0700	VOLUME ORNAMENT	
28	RMB0301	LOCK SPRING	
29	RMF0050	CAPACITOR HOLDER RUBBER	
30	RMG0013A-K	TRANSFORMER RUBBER	
31	RMK0191	CHASSIS	
32	RMR0623-N	LOCK PIN	
33	RMX0084	RUBBER BASE SPACER	
34	RFKGUC2000EG	FRONT PANEL ASS'Y	
35	RGU0936-K	MUTING BUTTON	
36	SHE187-2	P.C.B. SUPPORT	
37	SHR8006	SPACER	
38	SJS9231A	AC INLET COVER	
39	SKL306	FOOT	
40	SNE2123	GND TERMINAL	
41	XNS12	NUT	
42	XTBS26+8J	SCREW	

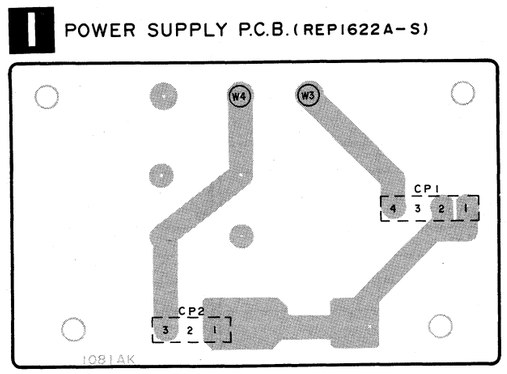
Ref. No.	Part No.	Part Name & Description	Remarks
43	XTBS3+20FFZ1	SCREW	
44	XTB3+20J	SCREW	
45	XTWS3+8T	SCREW	
46	XTW3+15T	SCREW	
47	XTW3+8T	SCREW	
48	XWD12A	WASHER	
49	XTB2+5F	SCREW	
50	RSC0334	SHIELD PLATE	
51	RSC0341	SHIELD PLATE	
52	SHW47L30	SPACER	
53	REX0524	CONNECTOR ASS'Y(7P)	
54	REX0525	CONNECTOR ASS'Y(3P)	
55	REX0526	CONNECTOR ASS'Y(3P)	
56	REX0529	CONNECTOR ASS'Y(4P)	
57	REX0530	CONNECTOR ASS'Y(9P)	
58	REX0531	CONNECTOR ASS'Y(7P)	
59	REX0532	CONNECTOR ASS'Y(4P)	
60	REX0527	CONNECTOR ASS'Y(3P)	
61	REX0528	CONNECTOR ASS'Y(3P)	
62	XTBS3+8JFZ1	SCREW	(G)
		PACKING MATERIAL	
P1	RPG1585	PACKING CASE	(EG, G)
P1	RPG1586-1	PACKING CASE	(EB)
P2	RPN0688	CUSHION	
P3	RPQ0164	PAD	(EG, G)
P3	RPQ0281	PAD	(EB)
P4	RPH0100	PROTECTION SHEET	
P5	RPH0101	KRAFT PAPER	
P6	SPP730	PROTECTION BAG	
		ACCESSORIES	
A1	RFKSUC2000EG	INSTRUCTION MANUAL ASS'Y	(EG)
A1	RQT1994-B	INSTRUCTION MANUAL	(EB)
A1	RFKSUC2000G	INSTRUCTION MANUAL ASS'Y	(G)
A2	EUR642210	REMOTE CONTROL TRANSMITTER	
A2-1	UR64EC1371	BATTERY COVER	FOR R/C TRANSMITTER
A3	RJA0019-2K	AC POWER SUPPLY CORD	(EG, G) ⚠ (SF)
A3	VJA0733	AC POWER SUPPLY CORD	(EB) ⚠ (SF)
A4	RQA0013	WARRANTY CARD	(EG, EB)
A5	RQCB0169	SERVICENTER LIST	
A6	SQX40026	CAUTION LABEL	
A7	RQLA0134	VOLTAGE CAUTION LABEL	(G)
A8	SJP5213-2	POWER PLUG ADAPTOR	(G) ⚠

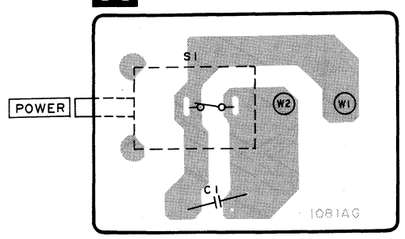
Power Source P.C.B. For (G) area.

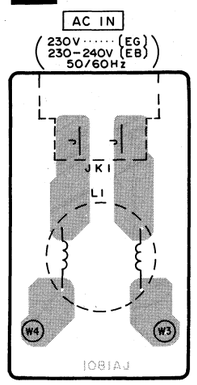


• Terminal guide of IC's, transistors and diodes

TC74HC42AP 16 Pin M37470M2204S 32 Pin No. 1	NJM4580DD	AN78M18 I : IN G: GND O: OUT	AN79M18 I : IN G: GND O: OUT	M5F79M05L I : IN G: GND O: OUT	
LM2940T5M I : IN G: GND O: OUT	MN1381STA (G)	BA6218	2SB1030AQSTA UN4114TA UN4211TA	2SB1357DEFTA 2SD2037DEFTA	
2SB621AQRSTA	2SK369GRDVGS 2SJ74BL 2SK170BL	2SK389BG	MSC2458ABCTA	MA700ATA 1SS291TA	
MA165TA MA167TA MA29WATA	MA4110MTA	D1NK20H-4084	LN446YP-C LN846RP-C	LN018304P	







TAGE ADJ.

S2

AC 110–127V

W6

108IAL

WITCH P.C.B.(REPI622B-S)

W2 W1

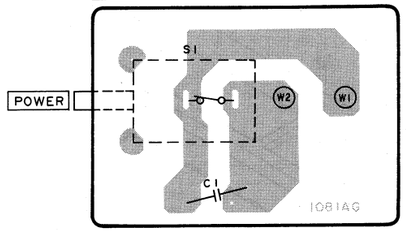
T/RED

T/BLK

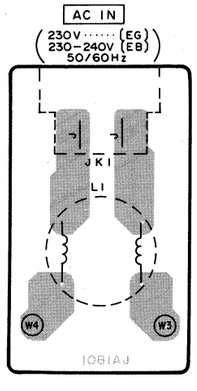
• Terminal guide of IC's, transistors and diodes

TC74HC42AP 16 Pin M37470M2204S 32 Pin No. 1		NJM4580DD	AN78M18 I : IN G: GND O: OUT	AN79M18 I : IN G: GND O: OUT	M5F79M05L I : IN G: GND O: OUT
LM2940T5M I : IN G: GND O: OUT	MN1381STA	BA6218	2SB1030AQSTA UN4114TA UN4211TA		2SB1357DEFTA 2SD2037DEFTA
2SB621AQRSTA	2SK369GRDVGS 2SJ74BL 2SK170BL		2SK389BG	MSC2458ABCTA	MA700ATA 1SS291TA Cathode Anode
MA165TA MA167TA MA29WATA Cathode Anode		MA4110MTA Cathode Anode	D1NK20H-4084 Cathode Anode	LN446YP-C LN846RP-C Anode Cathode	LN018304P Anode Cathode

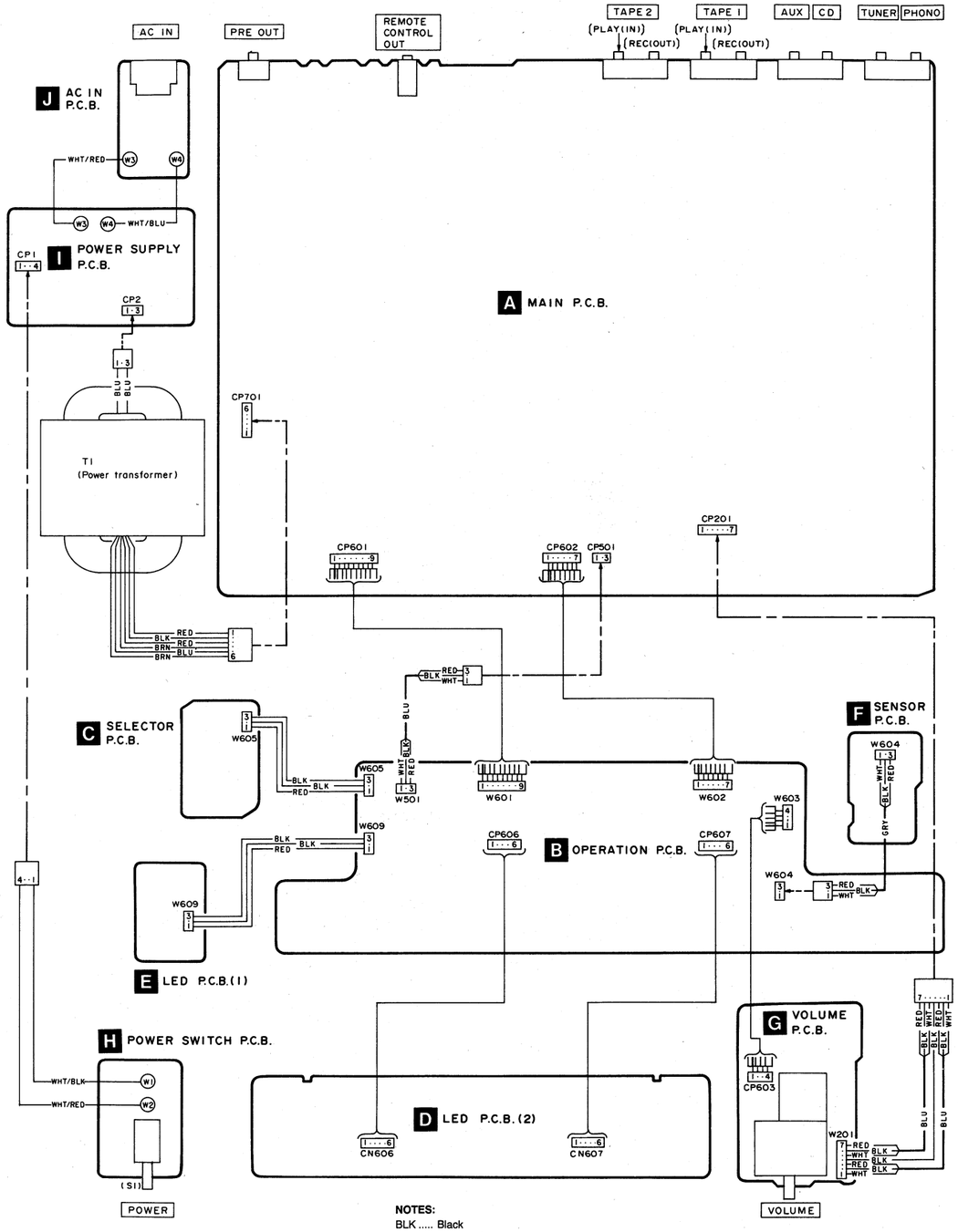
H POWER SWITCH P.C.B.(REPI622A-S)



J AC IN P.C.B.(REPI622A-S)



■ WIRING CONNECTION DIAGRAM



NOTES:
BLK ..... Black
BLU ..... Blue
BRN .... Brown
GRY .... Gray
RED .... Red
WHT .... White

Ref. No.	Part No.	Part Name & Description	Remarks
		INTEGRATED CIRCUIT(S)	
IC101, 102	NJM4580DD	CLASS AA PHONO EQ AMP	
IC203	TC74HC42AP	RELAY DRIVE	
IC301, 302	NJM4580DD	CLASS AA FLAT AMP	
IC501, 502	NJM4580DD	TONE/BUFFER AMP	
IC601	M37470M2204S	MICROCOMPUTER	
IC603	MN1381STA	RESET SIGNAL GENERATOR	
IC651	TC74HC42AP	LED DRIVE	
IC652	BA6218	VOLUME MOTOR DRIVE	
IC701	AN78M18	REGULATOR	⚠
IC702	AN79M18	REGULATOR	⚠
IC703	LM2940T5	REGULATOR	⚠
IC704	M5F79M05L	REGULATOR	⚠
		TRANSISTOR(S)	
Q101-108	2SK369GRDVGS	TRANSISTOR	
Q109-112	MSC2458ABCTA	TRANSISTOR	
Q113	UN4114TA	TRANSISTOR	
Q201-206	2SB1030AQSTA	TRANSISTOR	
Q208, 209	2SB1030AQSTA	TRANSISTOR	
Q301, 302	2SK389BG	TRANSISTOR	
Q303-306	MSC2458ABCTA	TRANSISTOR	
Q401, 402	UN4114TA	TRANSISTOR	
Q601-606	UN4211	TRANSISTOR	
Q651, 652	UN4211	TRANSISTOR	
Q701	2SD2037DEFTA	TRANSISTOR	⚠
Q702	2SB1357DEFTA	TRANSISTOR	⚠
Q703	2SK170BLV	TRANSISTOR	⚠
Q704	2SJ74BL	TRANSISTOR	⚠
Q707	2SB621A-R	TRANSISTOR	⚠
Q708	MSC2458ABCTA	TRANSISTOR	⚠
		DIODE(S)	
D101-104	MA29WA	DIODE	
D105	MA165	DIODE	
D107-110	MA165	DIODE	
D111, 112	MA700	DIODE	
D113	MA4110MTA	DIODE	
D201-206	MA165	DIODE	
D208, 209	MA165	DIODE	
D301-304	MA29WA	DIODE	
D305-308	MA165	DIODE	
D401, 402	MA165	DIODE	
D602	1SS291TA	DIODE	
D603-606	MA165	DIODE	
D651-658	LN018304P	L. E. D.	
D659	LN846RP-C	L. E. D.	
D660	LN446YP	L. E. D.	

Ref. No.	Part No.	Part Name & Description	Remarks
D701-708	D1NK20H-4084	DIODE	⚠
D713	MA167	DIODE	⚠
D714-717	MA165	DIODE	
D718	MA167	DIODE	⚠
		VARIABLE RESISTOR(S)	
VR201	EWCPXC010A15	VOLUME	
VR501, 502	EVJYA1FA2C15	TONE CONTROLS	
VR503	EVJ02QFA2G15	BALANCE	
		COMPONENT COMBINATION(S)	
Z601	RCDHC-278	REMOTE SENSOR	
Z602	EXBF4E103J	COMPONENT COMBINATION	
		COIL(S)	
L1	SLQZ650MH49	COIL	⚠
L101-104	ELEXT101KA9	COIL	
L601	ELEXT101KA9	COIL	
L651, 652	ELEXT1R0KA9	COIL	
		TRANSFORMER(S)	
T1	RTP7B4B002-W	POWER TRANSFORMER	(EG, EB)⚠
T1	RTP7B4E002-W	POWER TRANSFORMER	(G)⚠
		OSCILLATOR(S)	
X601	EFOEC4004T4	OSCILLATOR(4MHz)	
		SWITCH(ES)	
S1	ESB8279V	POWER	⚠
S2	ESD26200A	VOLTAGE ADJ.	(G)⚠
S501	ESB68137	MODE	
S601	ESB68137	PHONO SELECTOR	
S603	ESB68137	DIRECT	
S604	RSR3B003-A	TAPE MONITOR	
S651	RSR6B003-J	INPUT SELECTOR	
S652	EVQ21405R	MANUAL	
S653	EVQ21405R	MUTING	
		CONNECTOR(S) AND SOCKET(S)	
CN606, 607	RJU066H06	SOCKET(6P)	
CP1	RJP1A4204	CONNECTOR(4P)	
CP2	RJP1A4103	CONNECTOR(3P)	(EG, EB)
CP2	RJP1A4205	CONNECTOR(5P)	(G)
CP201	SJT3709	CONNECTOR(7P)	
CP501	SJT3319	CONNECTOR(3P)	

Ref. No.	Part No.	Part Name & Description	Remarks
CP601	SJT3907	CONNECTOR(9P)	
CP602	SJT3709	CONNECTOR(7P)	
CP603	SJT3415	CONNECTOR(4P)	
CP606, 607	RJT066H06	CONNECTOR(6P)	
CP701	SJT3611	CONNECTOR(6P)	
		GND AND SHIELD PLATE(S)	
E201	SNE1004-1	GND PLATE	
E202, 203	SJT75-1	SHIELD PLATE	
E204	SMC1077	SHIELD PLATE	
E205	SNE1004-1	GND PLATE	
E701	SNE1004-1	GND PLATE	
		RELAY(S)	

Ref. No.	Part No.	Part Name & Description	Remarks
RL101, 102	RSY0014M-0	RELAY	
RL201-206	RSY0014M-0	RELAY	
RL208, 209	RSY0014M-0	RELAY	
RL401, 402	RSY0014M-0	RELAY	
		JACK(S)	
JK1	SJS9231-1B	AC INLET	⚠
JK201	SJF3431-9A	PHONO/TUNER	
JK202	SJF3431-9A	CD/AUX	
JK203	SJF3431-9A	REC/P. B. (TAPE1)	
JK204	SJF3431-9A	REC/P. B. (TAPE2)	
JK401	SJF3225-5A	PRE OUT	
JK601	RJJ33TR01	REMOTE CONTROL OUT	

■ RESISTORS AND CAPACITORS

Notes : * **Capacity values are in microfarads (uF) unless specified otherwise, P=Pico-farads (pF) F=Farads (F)**
* **Resistance values are in ohms, unless specified otherwise, 1K=1,000 (OHM), 1M=1,000k (OHM)**

Ref. No.	Part No.	Values & Remarks
		RESISTORS
R101-104	ERDAS3G561	1/4W 560
R105, 106	ERDAS3G221T	1/4W 220
R107, 108	ERDAS3G473	1/4W 47K
R109, 110	ERDS2TJ5R6	1/4W 5.6
R111-116	ERDAS3G102T	1/4W 1K
R117, 118	ERDS2EJ121	1/4W 120
R119, 120	ERDAS3G333	1/4W 33K
R121, 122	ERDS2TJ102	1/4W 1K
R123, 124	ERDAS3G680T	1/4W 68
R125, 126	ERDS2TJ3R9T	1/4W 3.9
R127, 128	ERDS2TJ225	1/4W 2.2M
R129, 130	ER0S2TKF3901	1/4W 3.9K
R131, 132	ER0S2CKF4702	1/4W 47K
R133, 134	ERDAS3G101T	1/4W 100
R135, 136	ERDAS3G100T	1/4W 10
R137, 138	ERDAS3G102T	1/4W 1K
R139, 140	ERDAS3G101T	1/4W 100
R141, 142	ERDAS3G103T	1/4W 10K
R143, 144	ERDAS3G334T	1/4W 330K
R145, 146	ERDAS3G561	1/4W 560
R147, 148	ERDS1FVJ101T	1/2W 100 ⚠
R201, 202	ERDAS3G471T	1/4W 470
R203, 204	ERDLS2VJ471T	1/4W 470
R205-214	ERDAS3G471T	1/4W 470
R227, 228	ERDAS3G104	1/4W 100K

Ref. No.	Part No.	Values & Remarks
R231-236	ERDAS3G103T	1/4W 10K
R238, 239	ERDAS3G103T	1/4W 10K
R301, 302	ERDAS3G224	1/4W 220K
R303, 304	ERDLS2VJ561T	1/4W 560
R305-310	ERDAS3G222T	1/4W 2.2K
R311, 312	ERDAS3G333	1/4W 33K
R313, 314	ERDAS3G121	1/4W 120
R315, 316	ERDS2TJ155	1/4W 1.5M
R317, 318	ERDLS2VJ222T	1/4W 2.2K
R319, 320	ERDLS2VJ561T	1/4W 560
R321, 322	ERDAS3G100T	1/4W 10
R323, 324	ERDAS3G102T	1/4W 1K
R325, 326	ERDAS3G103T	1/4W 10K
R327, 328	ERDAS3G101T	1/4W 100
R329, 330	ERDAS3G823T	1/4W 82K
R401, 402	ERDLS2VJ181T	1/4W 180
R419, 420	ERDAS3G823T	1/4W 82K
R421, 422	ERDAS3G100T	1/4W 10
R501, 502	ERDAS3G561	1/4W 560
R503, 504	ERDAS3G823T	1/4W 82K
R505, 506	ERDAS3G224	1/4W 220K
R507, 508	ERDAS3G223T	1/4W 22K
R509, 510	ERDAS3G392T	1/4W 3.9K
R511, 512	ERDS2TJ243T	1/4W 24K
R513, 514	ERDAS3G562T	1/4W 5.6K
R515, 516	ERDAS3G102T	1/4W 1K
R517, 518	ERDAS3G182	1/4W 1.8K
R519, 520	ERDAS3G272T	1/4W 2.7K

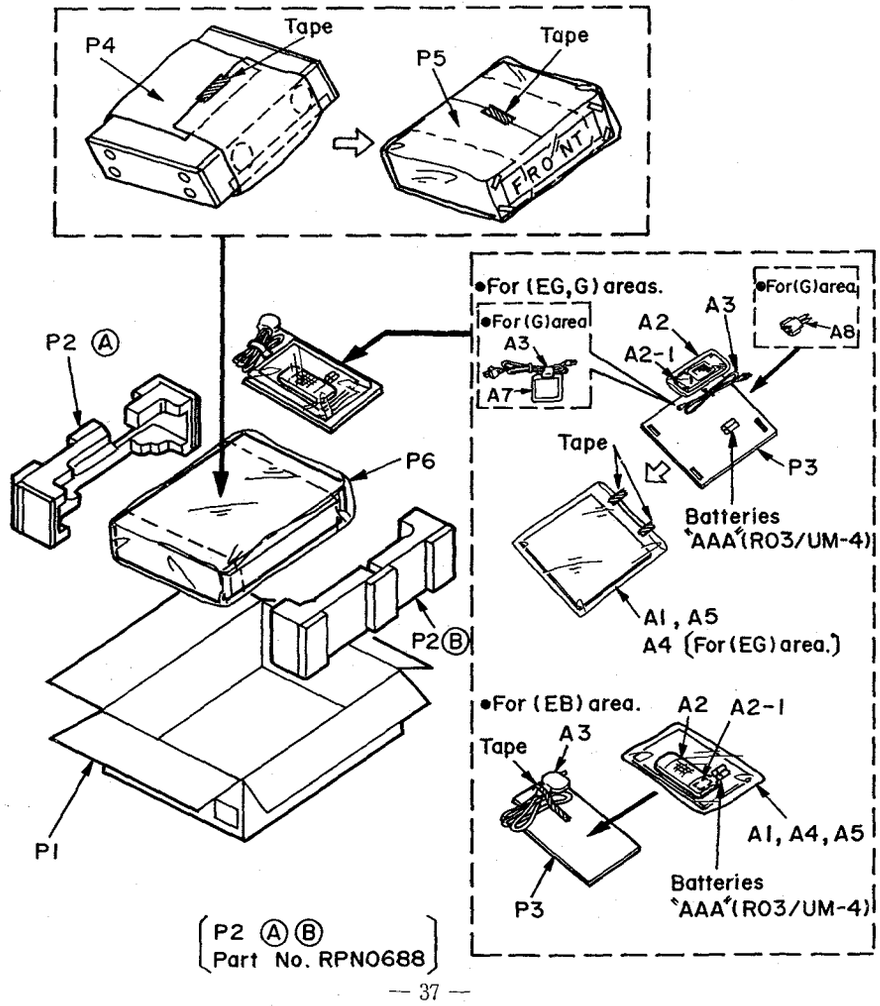
Ref. No.	Part No.	Values & Remarks
R521, 522	ERDAS3G273T	1/4W 27K
R602	ERDS2TJ102	1/4W 1K
R603-606	ERDS2TJ103	1/4W 10K
R607	ERDS2TJ102	1/4W 1K
R608	ERDS2TJ104	1/4W 100K
R610-612	ERDS2TJ472	1/4W 4.7K
R613, 614	ERDS2TJ102	1/4W 1K
R615-618	ERDS2TJ103	1/4W 10K
R651	ERDS2TJ331	1/4W 330
R652, 653	ERDS2TJ391	1/4W 390
R654, 655	ERDS2TJ821	1/4W 820
R656	ERDS2TJ102	1/4W 1K
R657	ERDS2TJ122	1/4W 1.2K
R658	ERDS2TJ152	1/4W 1.5K
R659	ERDS2TJ182	1/4W 1.8K
R660	ERDS1FVJ100T	1/2W 10 ⚠
R661	ERDS2TJ391	1/4W 390
R662	ERDS2TJ221	1/4W 220
R663	ERDS2TJ102	1/4W 1K
R701, 702	ERDS2TJ684	1/4W 680K
R703, 704	ERDS2TJ335T	1/4W 3.3M
R705, 706	ERQ16NKWR15E	1W 0.15 ⚠
R709	ERDS1FVJ8R2T	1/2W 8.2 ⚠
R710	ERDS2TJ472	1/4W 4.7K
R711	ERDS2TJ122	1/4W 1.2K
R712	ERDS2TJ151	1/4W 150
R713	ERDS2TJ103	1/4W 10K

Ref. No.	Part No.	Values & Remarks
		CAPACITORS
C1	ECKWNS102MBM	400V 1000P ⚠
C103, 104	ECCD1H680KC	50V 68P
C105, 106	ECCR1H181K5	50V 180P
C107, 108	ECQB1H102JF3	50V 1000P
C111, 112	ECQB1H472JF3	50V 4700P
C113, 114	ECKR1H102MD5	50V 1000P
C115, 116	ECA1CPXS470B	16V 47U
C117, 118	ECQP1183GZW	100V 0.018U
C119, 120	ECHR1H122JZ3	50V 1200P
C121, 122	ECQP1683GZW	100V 0.068U
C123, 124	ECQV1H473JM3	50V 0.047U
C125, 126	ECA1EBX100B	25V 10U
C127, 128	ECQB1H472JF3	50V 4700P
C129, 130	ECKR1H103ZF5	50V 0.01U
C131	ECA1CPXS101B	16V 100U
C132	ECA1HPXS010B	50V 1U
C133, 134	ECKR1H102MD5	50V 1000P
C135	ECKR1H103ZF5	50V 0.01U
C201-214	ECCR1H101J5	50V 100P
C221	ECA1CPXS470B	16V 47U
C231-236	ECA1EPXS100B	25V 10U
C238, 239	ECA1HPXS4R7B	50V 4.7U

Ref. No.	Part No.	Values & Remarks
C301, 302	ECCR1H470JC5	50V 47P
C303, 304	ECCR1H820JC5	50V 82P
C305, 306	ECHR1H222JZ3	50V 2200P
C307, 308	ECCR1H470JC5	50V 47P
C309, 310	ECQV1H564JM3	50V 0.56U
C311-314	ECA1CPXS470B	16V 47U
C315, 316	ECQV1H474JM3	50V 0.47U
C317, 318	ECQV1H473JM3	50V 0.047U
C401, 402	ECHR1H102JZ3	50V 1000P
C413, 414	ECA1CBX330B	16V 33U
C419, 420	ECHR1H102JZ3	50V 1000P
C501, 502	ECA1HPXS3R3B	50V 3.3U
C503, 504	ECCR1H101JC5	50V 100P
C505, 506	ECCR1H820JC5	50V 82P
C507, 508	ECCR1H390JC5	50V 39P
C509, 510	ECA1CPXS100B	16V 10U
C511, 512	ECA1HPXS4R7B	50V 4.7U
C513, 514	ECQB1H153JF3	50V 0.015U
C515, 516	ECQV1H823JM3	50V 0.082U
C517, 518	ECQB1H182JF3	50V 1800P
C519, 520	ECQB1H183JF3	50V 0.018U
C523, 524	ECKR1H103ZF5	50V 0.01U
C525-527	ECKT1H223ZF	50V 0.022U
C602	ECEA0JKA470B	6.3V 47U

Ref. No.	Part No.	Values & Remarks
C603	ECEA0JU102	6.3V 1000U
C604-606	ECKR1H103ZF5	50V 0.01U
C607	ECEA0JKA101B	6.3V 100U
C608	ECKR1H102ZF5	50V 1000P
C609	ECEA1HKA2R2B	50V 2.2U
C610	ECEA1HKAR47B	50V 0.47U
C611	ECQV1H104JM3	50V 0.1U
C651	ECQV1H104JM3	50V 0.1U
C652	ECEA0JKA101B	6.3V 100U
C653, 654	ECQV1H104JM3	50V 0.1U
C655	ECEA0JKA101B	6.3V 100U
C701, 702	ECESX1H332UX	50V 3300U ⚠
C703, 704	ECA1CPXS472E	16V 4700U ⚠
C705, 706	ECA1EPXS470B	25V 47U
C707, 708	ECA1HPXS010B	50V 1U
C709, 710	ECA1EPXS100B	25V 10U
C713, 714	ECA1EPXS100B	25V 10U
C719, 720	ECA1CPXS470B	16V 47U
C721	ECA1EBX100B	25V 10U
C722, 723	ECA1EPXS100B	25V 10U
C724	ECKR1H103ZF5	50V 0.01U
C725, 726	ECQV1H104JM3	50V 0.1U
C727-734	ECKR1H103ZF5	50V 0.01U

■ PACKAGING



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